005

Inland
PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

March 23, 2001

State of Utah
Division of Oil, Gas & Mining
Attn: Brad Gill
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill Well No: 13A-22-8-17, 14-22-8-17, 15-22-8-17, and 16-22-8-17.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Permit Clerk

mc
enclosures

cc: Jon Holst
Denver office well file
Pleasant Valley well file

RECEIVED
MAR 26 2001
DIVISION OF
OIL, GAS AND MINING

FORM 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTU-77233

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

1b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [X]

7. UNIT AGREEMENT NAME: Canvasback Unit

8. FARM OR LEASE NAME WELL NO: Canvasback

2. NAME OF OPERATOR: Inland Production Company

9. API WELL NO.: 15-22-8-17

3. ADDRESS OF OPERATOR: 410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At Surface: SW/SE 2056' FEL 910' FSL 4438989 N 586074 E
At proposed Prod. Zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SW/SE Sec. 22, T8S, R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 11.66 miles southeast of Myton, Utah

12. County: Duchesne

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.(Also t	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 910' f/lse line & 910' f/unit line	1202.78	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
Approx. 1403'	6500'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5168' GR

22. APPROX. DATE WORK WILL START*: 3rd Quarter 2001

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibi

The Conditions of Approval are also attached.

RECEIVED
MAR 26 2001
DIV OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Mecha TITLE Operations Manager DATE 03/22/2001

(This space for Federal or State office use)

PERMIT NO. 43-013-32246 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this Action is Necessary

APPROVED BY TITLE BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III DATE 12-16-02

*See Instructions On Reverse Side

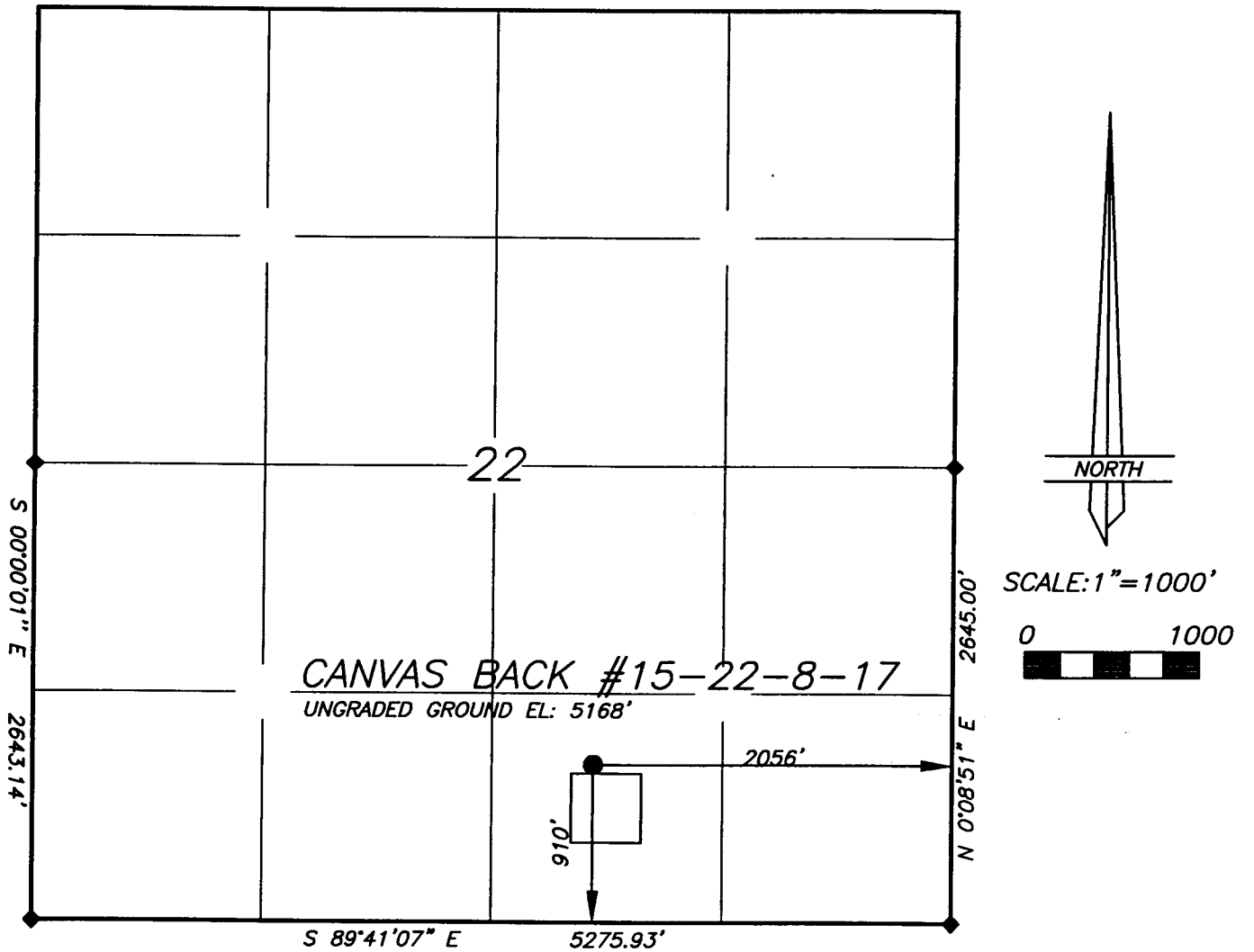
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INLAND PRODUCTION COMPANY

LOCATED IN THE SW1/4 OF THE SE1/4 OF SECTION 22, T8S, R17E, S.L.B.&M.

WELL LOCATION PLAT

CANVAS BACK #15-22-8-17



LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. MAP.

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT. THE BEARINGS ARE BASED ON WGS84 DATUM.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR RE-ESTABLISHED.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
STATE OF UTAH

JERRY D. ALLRED, PROFESSIONAL LAND SURVEYOR, CERTIFICATE NO. 148951, STATE OF UTAH

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5357

REV 17 MAR 2001
12 MAR 2001

84-121-081

002

Memorandum of Surface Use Agreement

KNOW ALL MEN BY THESE PRESENTS:

That the Brad and JoAnn Nelson Family Trust and the Ethan Lee and Louise Nelson Family Trust, both of P.O. Box 638, Roosevelt, Utah 84052, hereinafter called "Owners," and Inland Production Company, of 410 17th Street, Suite 700, Denver, Colorado 80202, hereinafter called "Inland," have executed a Wellsite Surface and Damage Agreement and an Easement and Right-of-Way, dated December 2, 2002, hereinafter referred to as "Agreement." That Agreement grants Inland certain rights to enter upon and utilize the surface as described below. The terms of which the parties agree as follows:

Inland owns or controls rights and interests in United States Oil and Gas Leas UTU-77233, which covers the following described lands situated in Duchesne County, Utah:

Township 8 South, Range 17 East, SLM
Section 22: SE/4 SW/4 and S/2 SE/4

By virtue of the Agreement referenced above, Owners and Inland have reached an understanding in settlement of disputes on all claims for use of the surface and damage to crops and interruption or interference with agricultural improvements arising from Inland's drilling, completion and production activities and operations for wells, and have also agreed to the measure of settlement for continuing and additional operations by Inland in the area on surface owned or controlled by Owners.

The Agreement shall remain in effect for so long as the drilling, production and development activities continue and all payments and conditions pursuant thereto have been timely paid and honored or terminated by mutual agreement between Owners and Inland. Said Agreement contains terms and provisions other than those herein stated. Executed copies of said Agreement, which sets forth the precise terms thereof, are in the files of the Owners and Inland.

This document is filed to secure all rights, which are accorded through notice as if the Agreement itself had been recorded.

Executed this 12th day of December 2002.

INLAND PRODUCTION COMPANY

Jeff Fandrich, Attorney-in-Fact

CORPORATE ACKNOWLEDGEMENT

STATE OF COLORADO)
)ss.
CITY AND COUNTY OF DENVER)

On this 12st Day of December 2002, before me, the undersigned Notary Public in and for the County and State aforesaid, personally appeared Jeff Fandrich, to me known to be the identical person who signed the name and maker thereof to the within and foregoing instrument as its Attorney-in-Fact and acknowledged to me that he executed the same a his free and voluntary act and deed, and as the free and voluntary act and deed of said corporation, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My Commission Expires: 8/29/05

Notary Public

INLAND PRODUCTION COMPANY
CANVASBACK #15-22-8-17
SW/SE SECTION 22, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1640'
Green River	1640 '
Wasatch	6500'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1640' – 6500' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "F".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
CANVASBACK #15-22-8-17
SW/SE SECTION 22, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Canvasback # 15-22-8-17 located in the SW 1/4 SE 1/4 Section 22, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 – 6.8 miles to the junction of an existing paved road to the east. Proceed easterly along this road 2.5 miles to the junction of an existing paved road to the east. Proceed south easterly along this road 0.8 miles to the beginning of the proposed access road of the Canvasback 15-22-8-17.

2. PLANNED ACCESS ROAD

Please refer to Monument Butte Field Standard Operating Procedure (SOP).
See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and Surface material stockpile(s).

10. ***PLANS FOR RESTORATION OF SURFACE***

LandOwner has requested that the well pad be left as is with no rehabilitation after plugging the well.

11. ***SURFACE OWNERSHIP*** – Brad Nelson.

12. ***OTHER ADDITIONAL INFORMATION***

The Paleontological Resource Survey and Archeological Survey have been waived by the landowner. **Refer to Exhibit "G".**

13. ***LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION***

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, Utah 84052

Telephone: (435) 646-3721

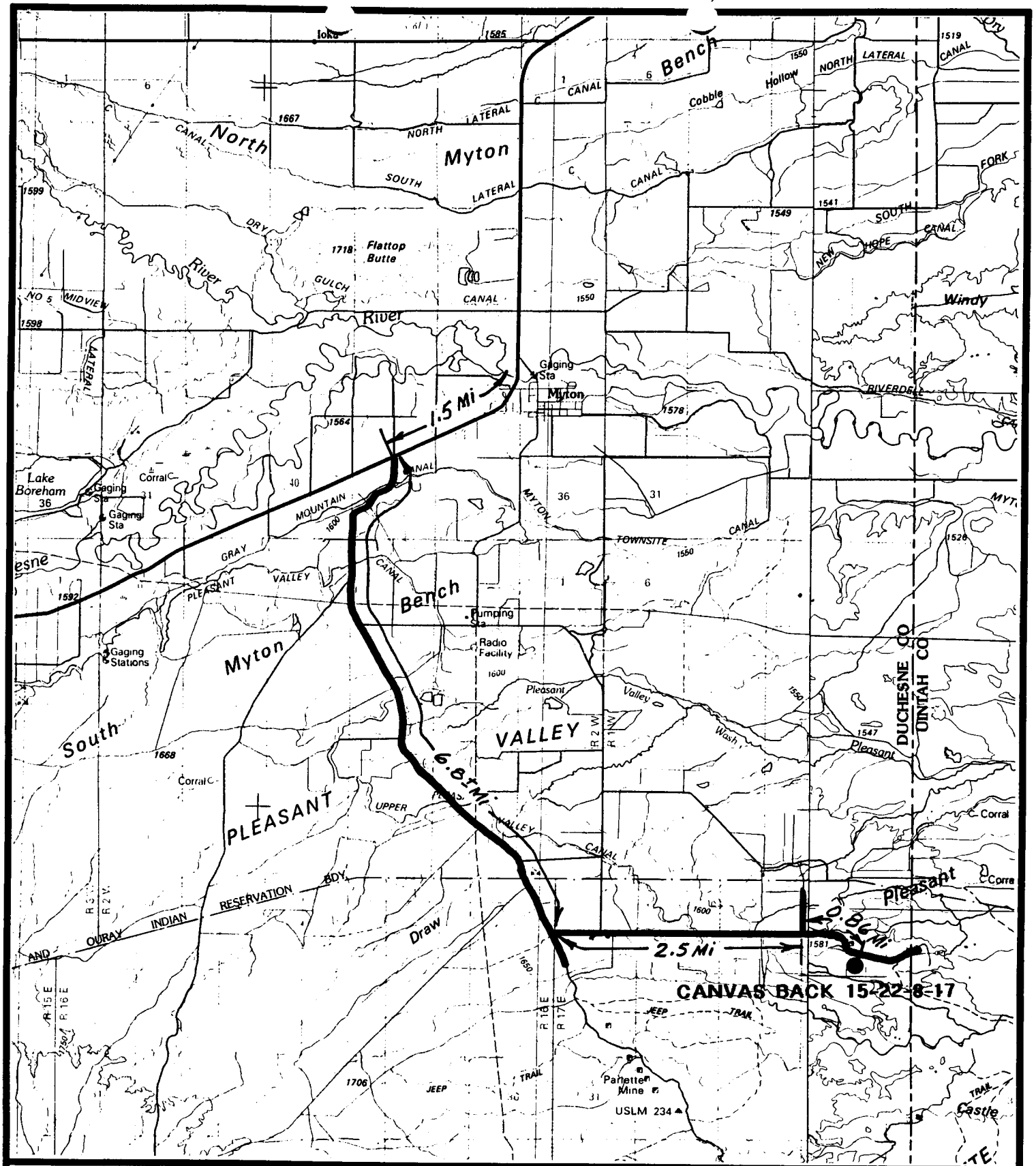
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #15-22-8-17 SW/SE Section 22, Township 8S, Range 17E: Lease UTU-77233 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/22/01
Date

Brad Mecham
Operations Manager



TOPOGRAPHIC MAP "A"

JERRY D. ALLRED AND ASSOCIATES
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

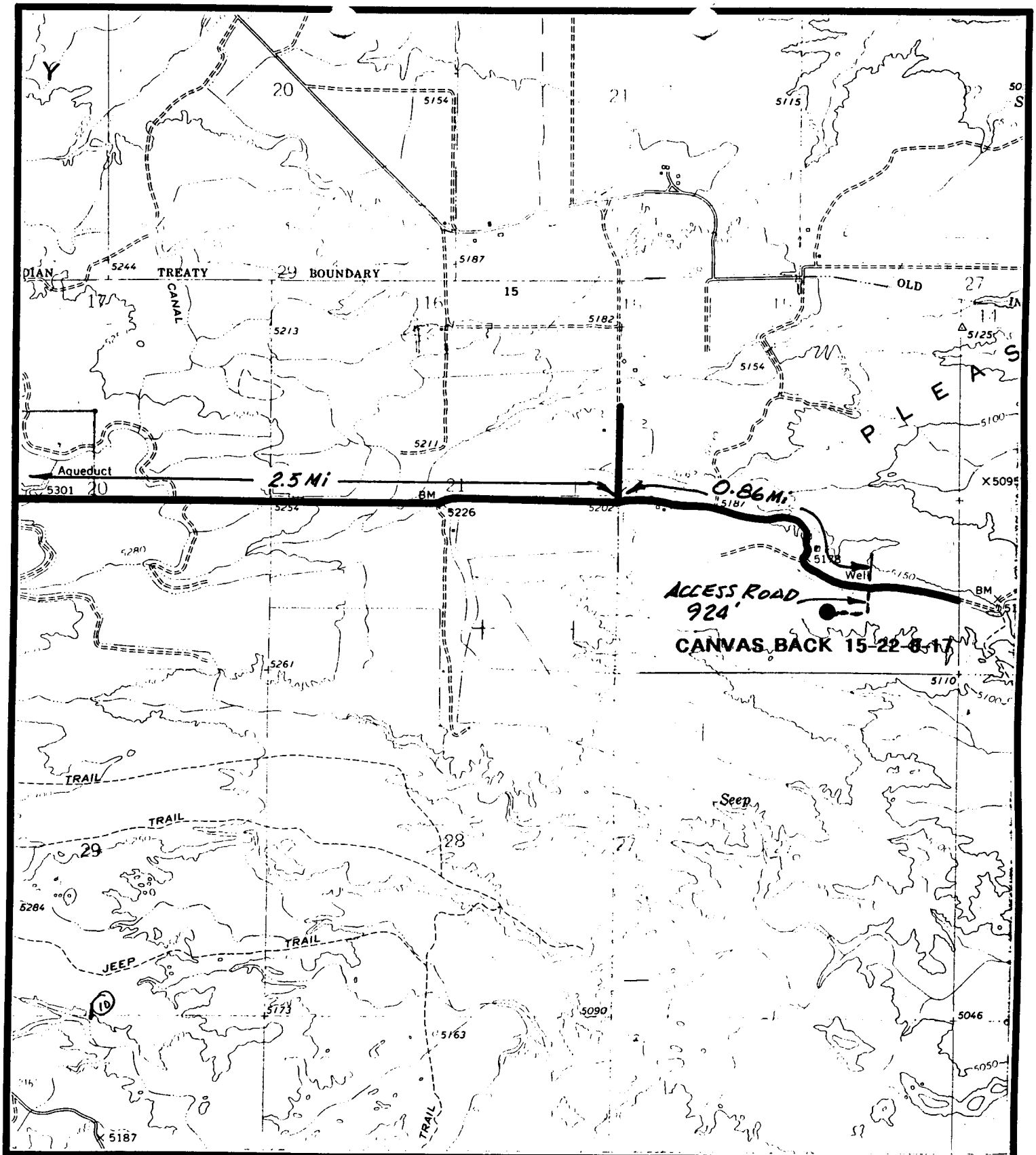
INLAND PRODUCTION CO.

LOCATION X-SECTION PLAT
CANVAS BACK #15-22-8-17

SECTION 22, T8S, R17E, S.L.B.&M.

12 MAR 2001

84-121-081



TOPOGRAPHIC MAP "B"

JERRY D. ALLRED AND ASSOCIATES
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

SCALE: 1"=2000'

INLAND PRODUCTION CO.

LOCATION X-SECTION PLAT

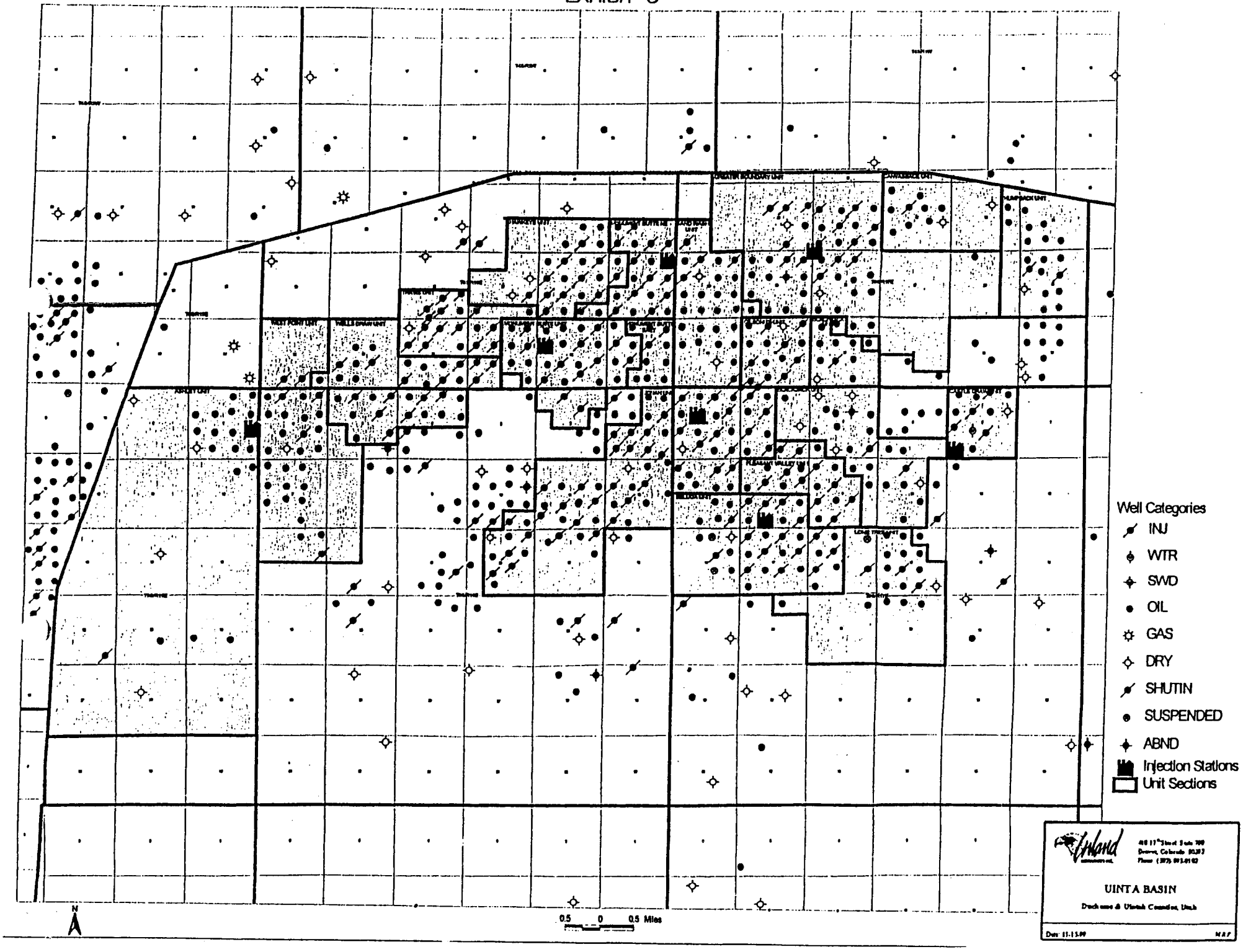
CANVAS BACK #15-22-8-17

SECTION 22, T8S, R17E, S.L.B.&M.

12 MAR 2001

84-121-081

EXHIBIT "C"


Well Categories
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WTR
SWD
OIL
GAS
DRY
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SUSPENDED
ABND
Injection Stations
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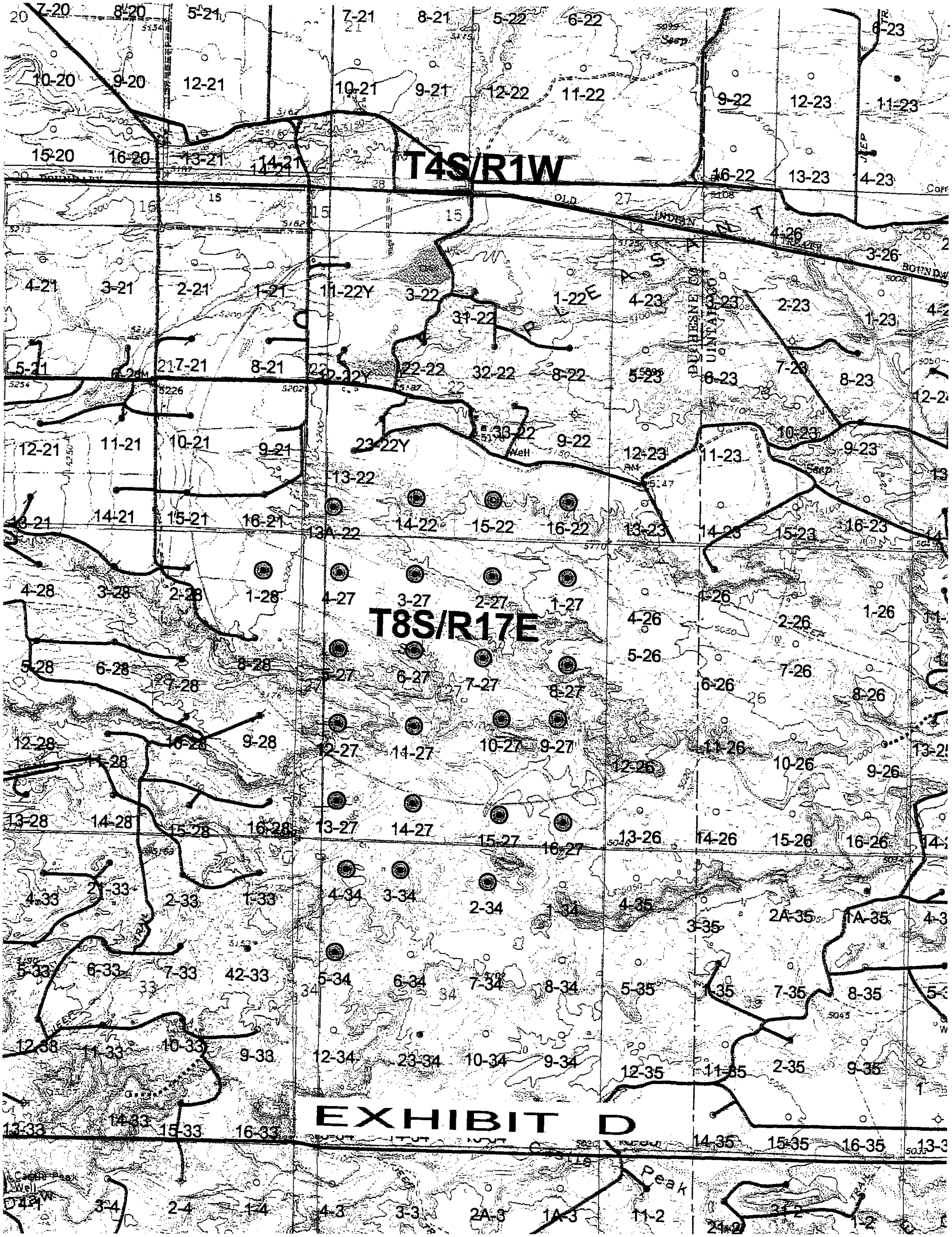
UINTA BASIN
Duchesne & Uintah Counties, Utah
Date: 11-13-99
MAP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T8S/R17E
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EXHIBIT D
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1-2
DUCHESNE CO.
UINTAH CO.
PLEASANT
Peak

INLAND PRODUCTION COMPANY

LOCATED IN THE SW1/4 OF THE SE1/4 OF SECTION 22, T8S, R17E, S.L.B.&M.

WELL LOCATION PLAT

CANVAS BACK #15-22-8-17

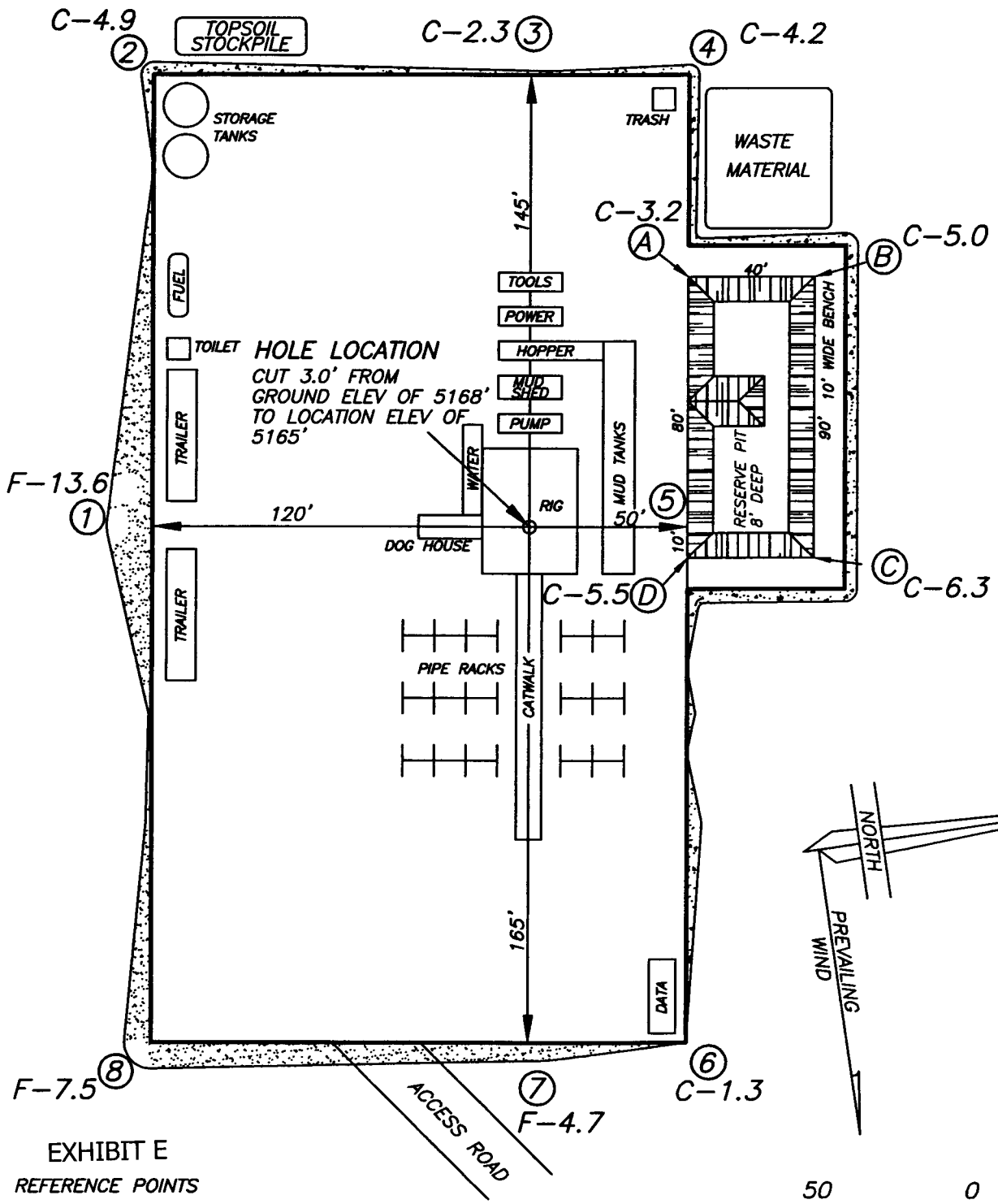


EXHIBIT E

REFERENCE POINTS

170' ON 3 CENTERLINE = 5170.0'
115' ON 5 CENTERLINE = 5173.7'
190' ON 7 CENTERLINE = 5167.1'

50 0 50

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
121 NORTH CENTER ST.--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5357

12 MAR 2001

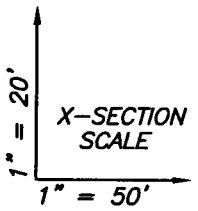
84-121-081

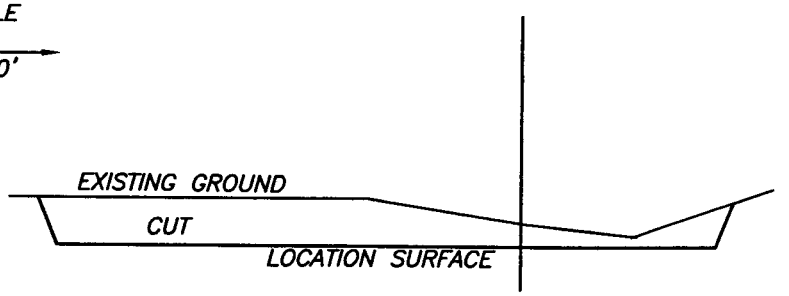
INLAND PRODUCTION CO.

LOCATION X-SECTION PLAT

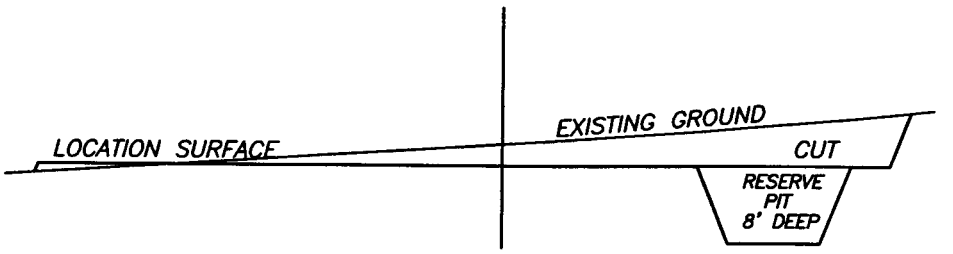
CANVAS BACK #15-22-8-17

SECTION 22, T8S, R17E, S.L.B.&M.

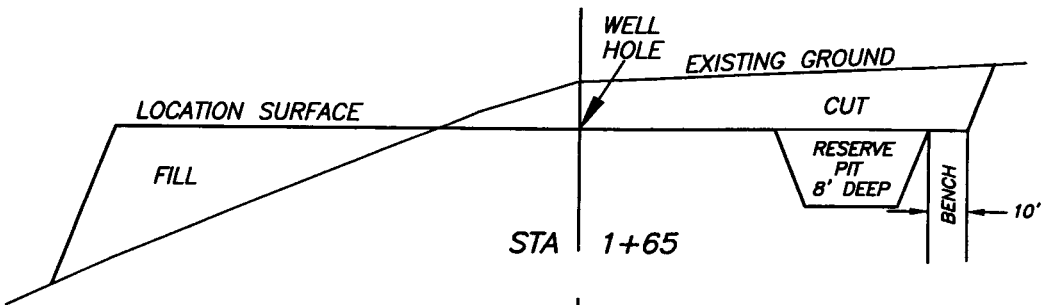




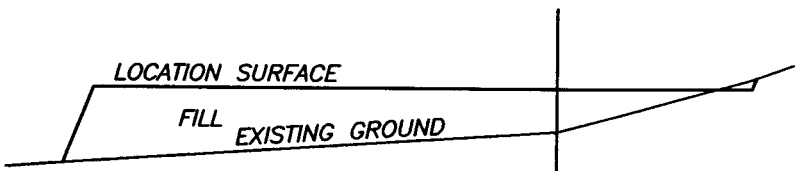
STA 3+10



STA 2+45



STA 1+65



STA 0+00

EXHIBIT E-1

APPROXIMATE QUANTITES

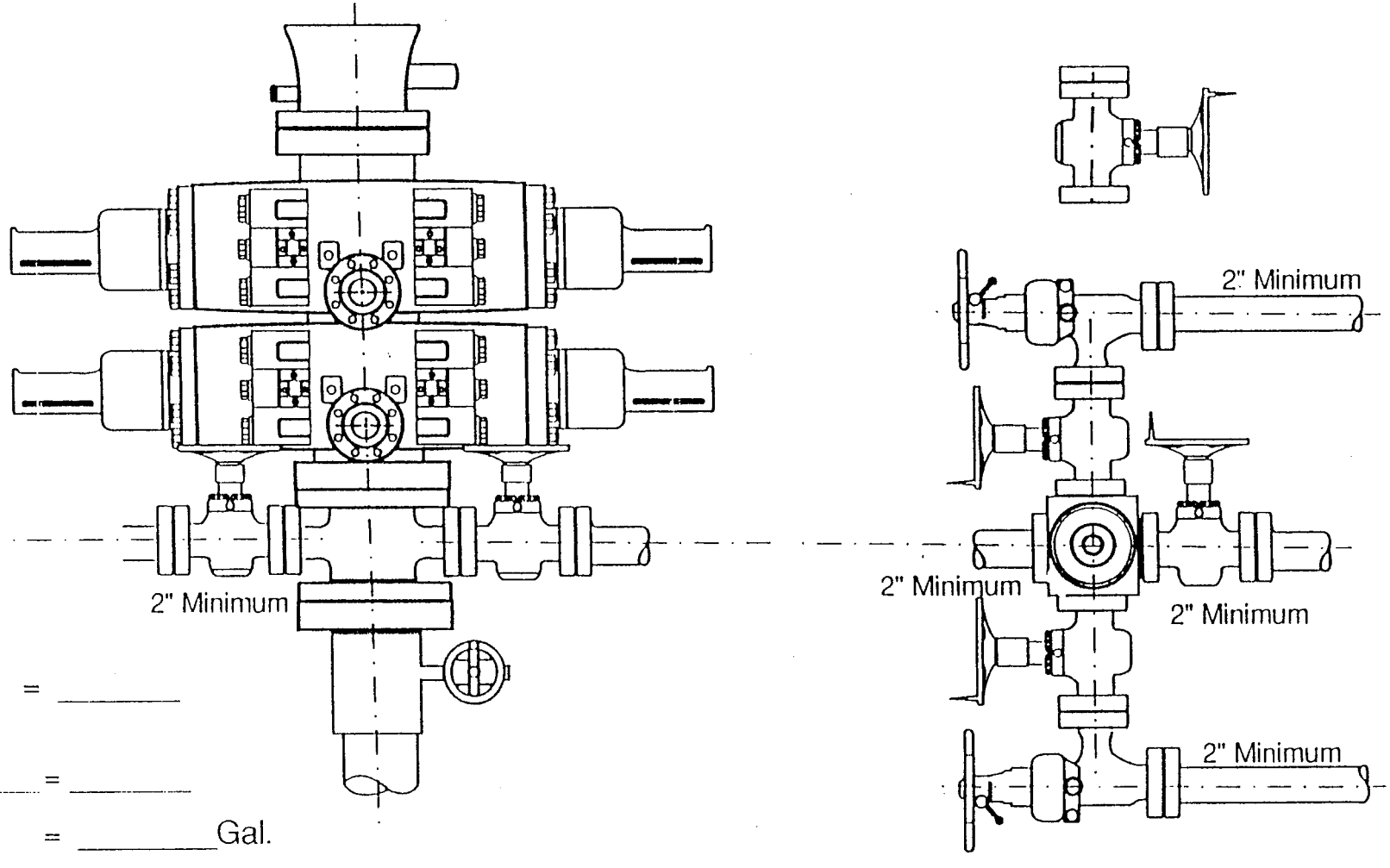
CUT: 4340 CU. YDS. (LOCATION)
CUT: 700 CU. YDS. (PIT)
FILL: 3600 CU. YDS.

JERRY D. ALLRED AND ASSOCIATES
121 NORTH CENTER STREET
P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

12 MAR 2001 *84-121-081*

RAM TYPE B.O.P.
Make:
Size:
Model:

2-M SYSTEM



AL TO CLOSE
Annular BOP = _____
Ramtype BOP
____Rams x _____ = _____
= _____Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
increment of 10 gal. would require
____ Gal. (total fluid & nitro volume)

EXHIBIT F

EXHIBIT G

Canvasback 15-22-8-17
SW/SE Sec. 22, T8S, R17E
Lease #UTU-77233

ARCHAEOLOGICAL REPORT WAIVER

For the above referenced location; Brad Nelson, the Private Surface Owner. (Having a Surface Owner Agreement with Inland Production Company) Brad Nelson, representing this entity does agree to waive the request from the Bureau of Land Management for an Archaeological/Cultural Survey. This waiver hereby releases Inland Production Company from this request.

Brad L Nelson 3-22-01

Brad Nelson Date
Private Surface Owner

Brad Mecham 3-7-01

Brad Mecham Date
Inland Production Company

006

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/26/2001

API NO. ASSIGNED: 43-013-32240

WELL NAME: CANVASBACK 15-22-8-17
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: BRAD MECHAM

PHONE NUMBER: 303-893-0102

PROPOSED LOCATION:
SWSE 22 080S 170E
SURFACE: 0910 FSL 2056 FEL
BOTTOM: 0910 FSL 2056 FEL
DUCHESNE
MONUMENT BUTTE (105)

LEASE TYPE: 1-Federal
LEASE NUMBER: UTU-77233
SURFACE OWNER: 4-Fee

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

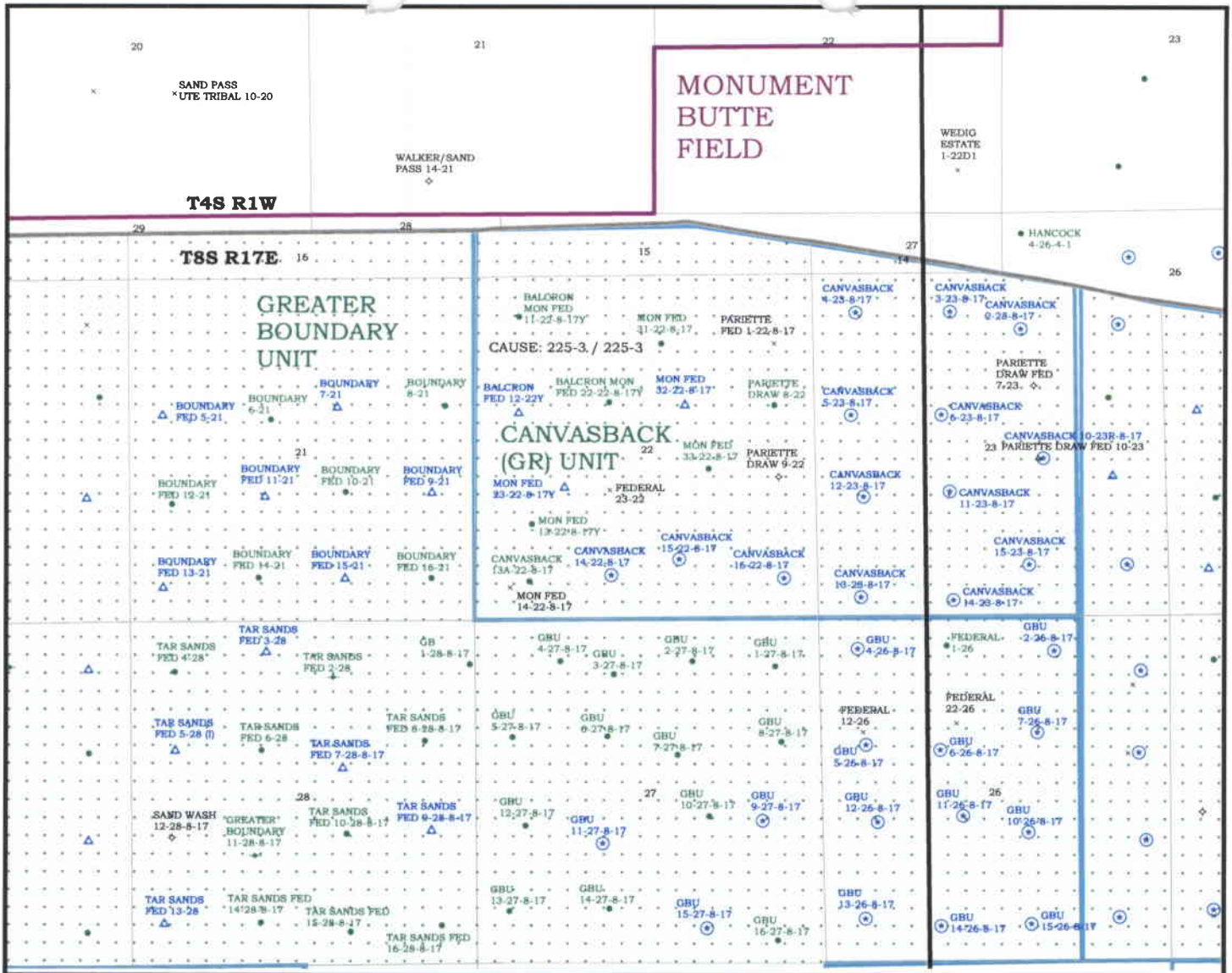
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. 4488944)
N Potash (Y/N)
N Oil Shale (Y/N) *190-5 (B) or 190-3
✓ Water Permit
(No. MUNICIPAL)
N RDCC Review (Y/N)
(Date:)
✓ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit CANVASBACK (GR)
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 225-3 *Unit & E.h. Rec.
Eff Date: 9-23-98
Siting: Statewide Rules Suspended
___ R649-3-11. Directional Drill

COMMENTS: Need Presite (4-4-01)
Mon. Butte Field SOP, separate file.

STIPULATIONS: 1- STATEMENT OF BASIS
2- FEDERAL APPROVAL



OPERATOR: INLAND PROD CO. (N5160)

SEC. 22 T8S, R17E,

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 225-3 / 9-23-98

Utah Oil Gas and Mining

WELLS
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

UNIT STATUS
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES

N W E S

PREPARED BY: DIANA MASON
DATE: 13-DECEMBER-2002

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: Inland Production Company
Name & Number: Canvas Back #15-22-8-17
API Number: 43-013-32240
Location: 1/4,1/4 SW/SE Sec. 22 T. 08S R. 17E

Geology/Ground Water:

Inland has proposed setting 300' of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at around 200'. A search of Division of Water Rights records indicates that 6 water wells are located within a 10,000 foot radius of the center of Section 22 . Of these wells 5 are listed as being used for domestic and stock watering. No depths are listed for these wells. The proposed surface casing should extend below the base of the moderately saline water. The other well is a deep water supply well for Inland. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of interbedded sandstones and shales. The Sandstones are of a discontinuous nature and probably don't represent a significant aquifer. The existing casing should adequately protect any useable ground water.

Reviewer: Brad Hill
Date: 04/10/2001

Surface:

An onsite investigation of the surface area was done on 04/04/01 with Brad Mecham to address and observe any issues regarding any particular needs this well site and access road might have. Mr. Brad Nelson (the landowner of record) was invited by DOGM staff to attend the onsite meeting but declined. The access road proposed by Inland runs adjacent to and immediately south of an irrigated alfalfa field. A dry drainage is present at west end of location with tamarisk and wetland vegetation. However, Inland believes all the water is presently moving east and remaining in field when irrigated. Inland shall berm the location and install any diversion necessary if irrigation waters cause erosion of access road or location. Furthermore, this location is outside the window of tolerance (by 50') for state spacing orders. Inland Representative says this well site was moved north to keep the rig's substructure in cut rather than fill, which appears justified on the cut sheet.

Reviewer: Dennis L. Ingram
Date: April 10, 2001

Conditions of Approval/Application for Permit to Drill:

1. The operator shall properly install and maintain a 12 mil or thicker synthetic liner in reserve pit to prevent seepage of drilling fluids into shallow ground water.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Inland Production Company
WELL NAME & NUMBER: Canvas Back #15-22-8-16
API NUMBER: 43-013-32240
LEASE: FEE FIELD/UNIT: MONUMENT BUTTE/CANVASBACK
LOCATION: 1/4,1/4 SW/SE Sec: 22 TWP: 08S RNG: 17E 2056' FEL 910' FSL
GPS COORD (UTM): 12 586047E; 4439199N
SURFACE OWNER: Brad Nelson

PARTICIPANTS
Dennis L. Ingram (DOGM); Brad Mecham (Inland Production Company)

REGIONAL/LOCAL SETTING & TOPOGRAPHY
Proposed immediately south of irrigated alfalfa field on southern edge of tabletop landscape, overlooking the head (or beginnings) of Big Wash Drainage system in Pleasant Valley approximately 10.3 miles south of Myton, Utah

SURFACE USE PLAN

CURRENT SURFACE USE: Undeveloped rangeland used for wildlife and grazing

PROPOSED SURFACE DISTURBANCE: Proposed 924' of new access road in from east with a location measuring 300'x 170'

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS data base

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production Facilities shall remain on location; gas residue and sales line of flex pipe on surface along right-of-way.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill, borrowed

ANCILLARY FACILITIES: None

WASTE MANAGEMENT PLAN:
Attached and submitted to DOGM with Application to Drill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Shadscale, native grass, salt grass, rabbit brush, sage brush, tamarisk, prickly-pear cactus; mule deer, elk, mountain lion, coyote, raccoon, fox, small birds, birds of prey and other small animals typical of the region.

SOIL TYPE AND CHARACTERISTICS: Tan to light brown fine grained sandy Loam with some clays present.

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation of the Upper Eocene Age

EROSION/SEDIMENTATION/STABILITY: Minor erosion, some sedimentation,

no stability problems anticipated

PALEONTOLOGICAL POTENTIAL: None observed during onsite meeting

RESERVE PIT

CHARACTERISTICS: Located on north side in cut and parallel with prevailing winds measuring 40'x 90'x 8' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 35 points

SURFACE RESTORATION/RECLAMATION PLAN

According to Landowner agreement

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Inland submitted Arch report Waiver from Mr. Brad Nelson, releasing them from survey obligations

OTHER OBSERVATIONS/COMMENTS

Access road enters location from the east and immediately south of irrigated alfalfa field with narrow draw which extend south into Big Wash Drainage System. Water from irrigated field appears to drain east and adjacent to location. Old draws are dry but did at one time have water seeps down them, according to surface vegetation. Location was moved north out of window of tolerance to find a stable pad for drill rig, according to operator representative. The cut and fill sheet, plus visual inspection, seems to support their request to move said week because of that reason.

ATTACHMENTS:

Photos of surface area before disturbance

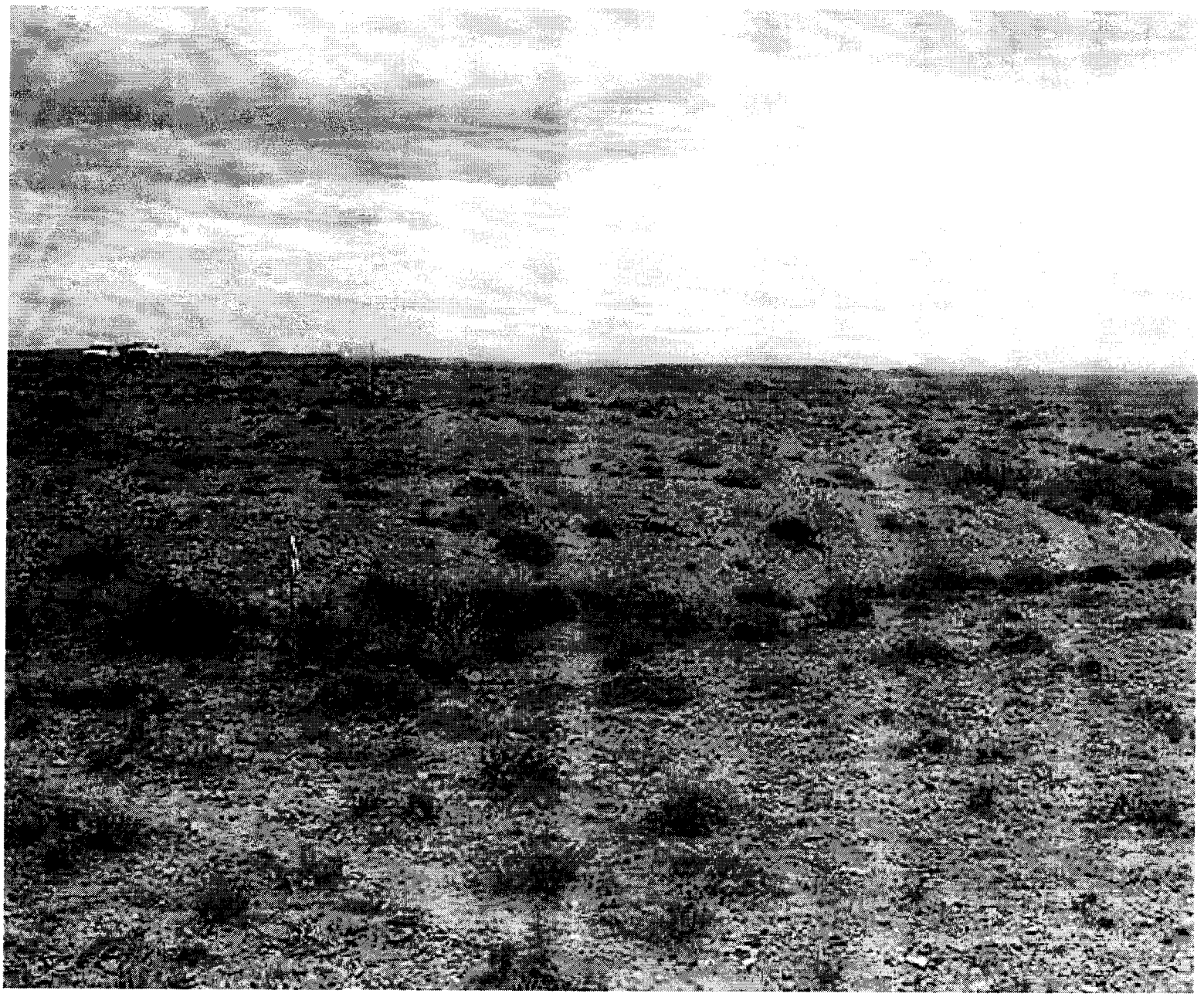
Dennis L. Ingram	04/04/01 10:35 AM
DOGM REPRESENTATIVE	DATE/TIME

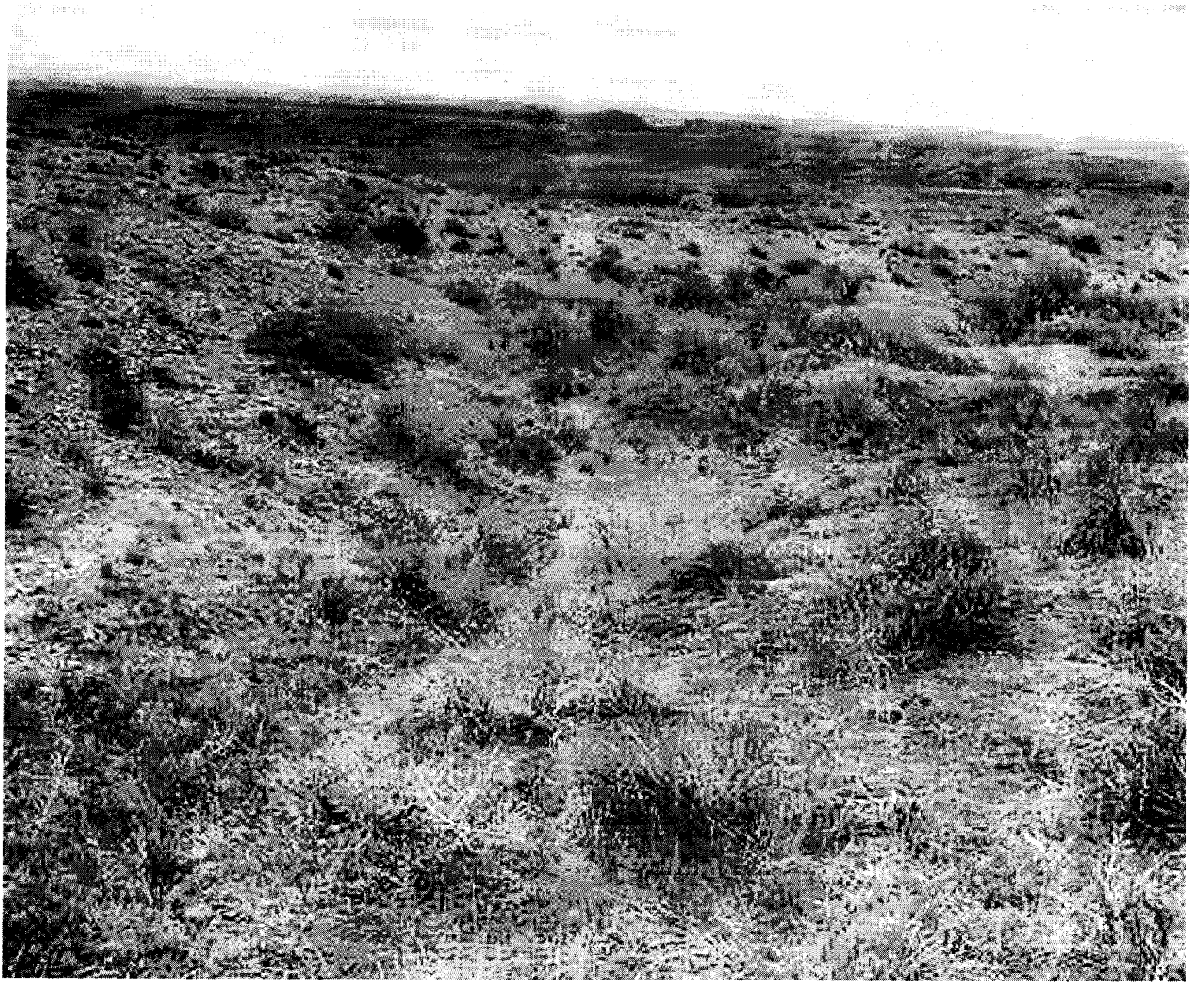
Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	10
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	Unknown
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		15
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	Unknown

Final Score (Level II Sensitivity) 35 points

SK
15-22-8-17

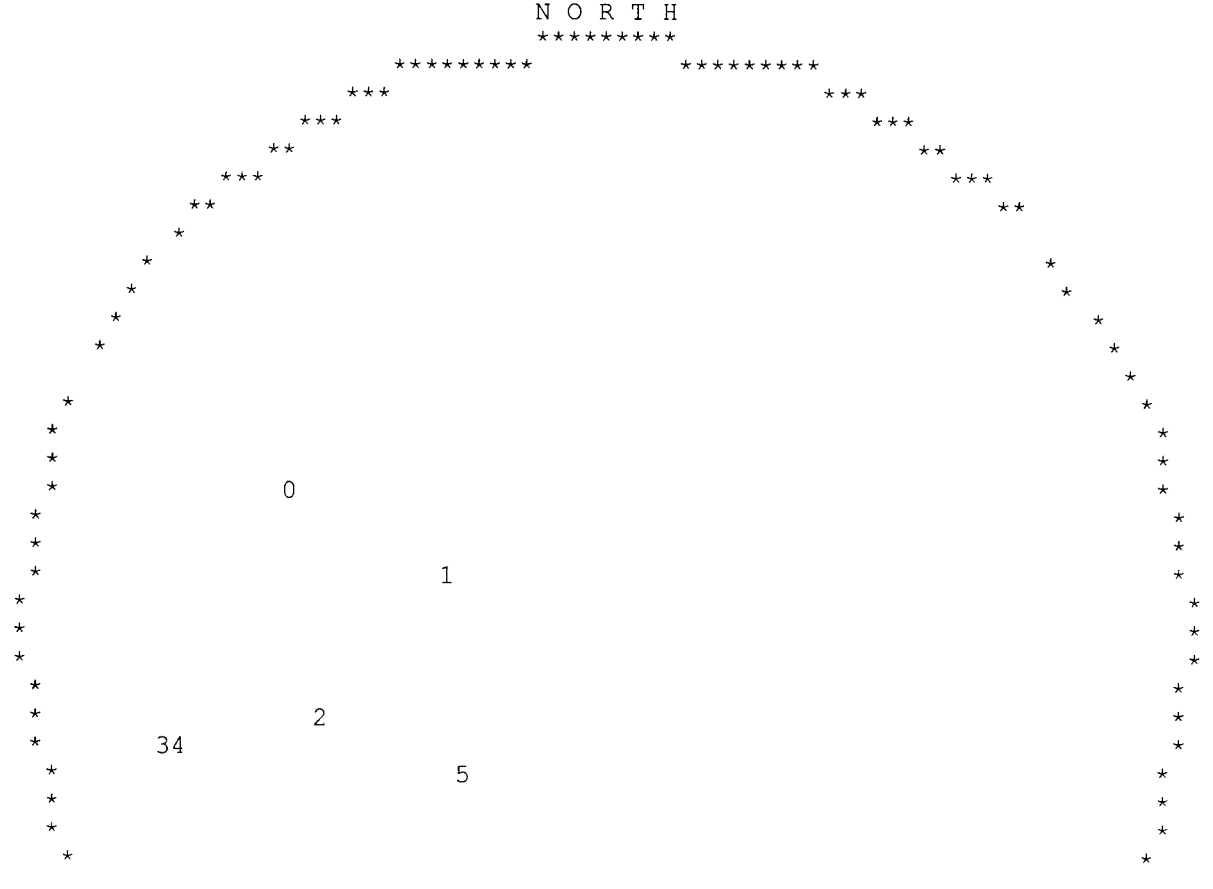


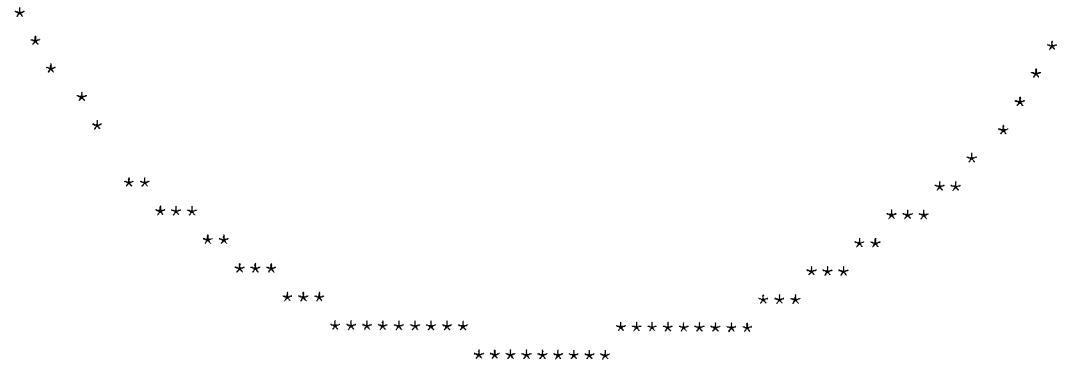


UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, APR 10, 2001, 3:30 PM
PLOT SHOWS LOCATION OF 6 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 22 TOWNSHIP 8S RANGE 17E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER	DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&M
0	47 1501	.0150	.00	Underground Water Well			S 50	W 50	N4	21	8S	17E	SL
	WATER USE(S): IRRIGATION DOMESTIC STOCKWATERING								PRIORITY DATE: 09/05/196				
	Abegglen, Clark and Arva								Myton				
1	47 1346	.0150	.00	Underground Water Well			S 1730	W 100	NE	21	8S	17E	SL
	WATER USE(S): DOMESTIC								PRIORITY DATE: 03/18/195				
	Roberts, Louis Clark								Myton				
2	47 1341	.0150	.00	Underground Water Well			N 1350	W 2230	SE	21	4S	1W	US
	WATER USE(S): DOMESTIC STOCKWATERING								PRIORITY DATE: 10/18/195				
	Roberts, Dean D.			68 East 400 North					Farmington				
3	47 1335	.0150	.00	Underground Water Well			S 2050	E 470	W4	21	4S	1W	US
	WATER USE(S): DOMESTIC								PRIORITY DATE: 08/07/194				
	Roberts, Howard D.								Myton				
4	47 1805	.0460	.00	8	0 - 4990		N 515	E 517	SW	21	8S	17E	SL

WATER USE(S): OTHER PRIORITY DATE: 05/31/199
Inland Production Company 410 17th Street, Suite 700 Denver

5 47 1336 .0150 .00 Underground Water Well N 80 E 340 SW 22 4S 1W US
WATER USE(S): DOMESTIC PRIORITY DATE: 03/10/194
Jorgensen, Andrew M. Myton

004

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 30, 2001

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2001 Plan of Development Canvasback Unit, Duchesne County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2001 within the Canvasback Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Grrv)		
43-013-32238	13A-22-8-17	Sec. 22, T8S, R17E 0565 FSL 0822 FWL
43-013-32239	14-22-8-17	Sec. 22, T8S, R17E 0664 FSL 2067 FWL
43-013-32240	15-22-8-17	Sec. 22, T8S, R17E 0910 FSL 2056 FEL
43-013-32241	16-22-8-17	Sec. 22, T8S, R17E 0624 FSL 0465 FEL

This office has no has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Canvasback Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-30-1

003

Jon D. Holst & Associates, LLC
2507 Flintridge Place
Ft. Collins, CO 80521
Phone: 970-481-1202
Fax: 707-313-3778
jondholst@yahoo.com

May 1, 2001

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Exceptional Spacing for Canvasback 15-22-8-17 Well Location

Dear Lisha:

Please note that the 15-22-8-17 well location will require exceptional spacing due to topographic constraints. The proposed well location has been moved further north into the existing Canvasback Unit and will be 910 feet from the nearest lease or unit boundary, therefore, it will not require written consent from adjacent lease or unit interest owners as required under Rule 649-3-3.

If you have any additional questions or require additional information regarding the location of this proposed well, please contact me at (970) 481-1202.

Respectfully,

Jon D. Holst

RECEIVED
MAY

INLAND PRODUCTION COMPANY
410 17th Street, Suite 700
Denver, CO 80202
303-893-0102
Fax #303-893-0103

Date: December 12, 2002

To: Lisha Cordova
State of Utah, Division of Oil, Gas & Mining
Phone: 801-538-5296
Fax: 801-359-3940

From: Jeff Fandrich
Phone: 303-382-4422
Fax: 303-893-0103

Pages (incl. cover sheet): Three (3)

Subject: APDs for the Canvasback 14-22, 15-22, 16-22, 13-23, and 14-23 wells

Attached are two Memorandums of Surface Agreements covering the captioned APDs which have been previously submittted to your office. We have submitted the originals for recording in the respective counties. Please notify us if there is anything further needed to approve the APDs.

Thanks for your assistance. Happy Holidays!

If you do not receive all pages or there is a problem with this transmission, please call sender. This message and all attachments may contain privileged and/or confidential information. If you are not the intended recipient(s), or the employee or agent responsible for delivery of this message and attachments to the intended recipient(s), you are hereby notified that any dissemination, distribution or copying of this message is strictly prohibited. If you have received this message in error, please immediately notify the sender and return all copies via regular mail to the above address.

cc: Roosevelt - Mandie Crozier
Jon Holst

RECEIVED
DEC 12 2002
DIV. OF OIL, GAS & MINING

007

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

December 16, 2002

Inland Production Company
410 - 17th Street, Suite 700
Denver, UT 80202

Re: Canvasback 15-22-8-17 Well, 910' FSL, 2056' FEL, SW SE, Sec. 22, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32240.

Sincerely,

for John R. Baza
Associate Director

pb
Enclosures
cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Utah!
Where ideas connect

Operator: Inland Production Company

Well Name & Number Canvasback 15-22-8-17

API Number: 43-013-32240

Lease: UTU-77233

Location: SW SE **Sec.** 22 **T.** 8 South **R.** 17 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

FORM 3160-3
(December 1990)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

016

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.	UTU-77233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
1a. TYPE OF WORK	DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL	OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]
7. UNIT AGREEMENT NAME	Canvasback Unit
8. FARM OR LEASE NAME WELL NO	Canvasback
2. NAME OF OPERATOR	Inland Production Company
9. API WELL NO.	15-22-8-17
3. ADDRESS OF OPERATOR	410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102
10. FIELD AND POOL OR WILDCAT	Monument Butte
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At Surface SW/SE 2056' FEL 910' FSL At proposed Prod. Zone 43:013:32240	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/SE Sec. 22, T8S, R17E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*	Approximately 11.66 miles southeast of Myton, Utah
12. County	Duchesne
13. STATE	UT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.(Also t	Approx. 910' f/lse line & 910' f/unit line
16. NO. OF ACRES IN LEASE	1202.78
17. NO. OF ACRES ASSIGNED TO THIS WELL	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	Approx. 1403'
19. PROPOSED DEPTH	6500'
20. ROTARY OR CABLE TOOLS	Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	5168' GR
22. APPROX. DATE WORK WILL START*	3rd Quarter 2001

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Refer to Monument Butte Field SOP's Drilling Program/Casing Design				

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

RECEIVED
MAR 26 2001

RECEIVED
JAN 03 2003
DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED [signature] TITLE Operations Manager DATE 03/22/2001

(This space for Federal or State office use)

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHE

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [signature] Assistant Field Manager Mineral Resources DATE 12/24/2002

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Canvasback 15-22-8-17

API Number: 43-013-32240

Lease Number: U-77233

Location: SWSE Sec. 22 T.8S R. 17E

Agreement: Canvasback Unit

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

1. Other Information

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman Petroleum Engineer	(435) 828-7874 (CELL)
Kirk Fleetwood Petroleum Engineer	(435) 828-7875 (CELL)
BLM FAX Machine	(435) 781-4410

SURFACE USE PROGRAM
Conditions of Approval (COA)
Inland Production Company - Well No. 15-22-9-17 & 16-22-9-17

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

shadscale	Atriplex confertifolia	3 lbs/acre
Gardners salt bush	Atriplex gardneri	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre
mat salt bush	Atriplex corrugata	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **INLAND PRODUCTION COMPANY**

Well Name: **CANVASBACK 15-22-8-17**

Api No: **43-013-32240** Lease Type: **FED-MIN, FEE-SURF**

Section **22** Township **08S** Range **17E** County **DUCHESNE**

Drilling Contractor **STUBBS DRILLING** RIG# **111**

SPUDDED:

Date **02/21/03**

Time **6:00 AM**

How **DRY**

Drilling will commence:

Reported by **PAT WISENER**

Telephone # **1-435-823-7468**

Date **02/26/2003** Signed: **CHD**

INLAND PRODUCTI , COMPANY - CASING & CEMEN EPORT

009

8 5/8 CASING SET AT 311.23

LAST CASING 8 5/8" SET AT 311.23'
DATUM 12' KB
DATUM TO CUT OFF CASING
DATUM TO BRADENHEAD FLANGE
TD DRILLER 305 LOGGER
HOLE SIZE 12 1/4

OPERATOR Inland Production Company
WELL Canvasback 14-22-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Stubbs # 111

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		40.0 sh jt' shjt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	299.38
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	301.23	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	291.99	7
TOTAL CSG. DEL. (W/O THRDS)	291.99	7
TIMING	1ST STAGE	
BEGIN RUN CSG.	SPUD	02/19/2003
CSG. IN HOLE		10:30am
BEGIN CIRC		
BEGIN PUMP CMT		
BEGIN DSPL. CMT		
PLUG DOWN	Cemented	02/22/2003

TOTAL LENGTH OF STRING	301.23
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	311.23

RECEIVED
FEB 2 6 2003
DIV. OF OIL, GAS & MINING

COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 4
RECIPROCATED PIPE FOR ____ THRU ____ FT STROKE
DID BACK PRES. VALVE HOLD ? N/A
BUMPED PLUG TO 200 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	150	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Pat Wisener DATE

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator
INLAND PRODUCTION COMPANY

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2056' FEL & 910' FSL SW/SE Sec 22. TWN 8S. R17E

5. Lease Designation and Serial No.
UTU-77233

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Canvasback

8. Well Name and No.
15-22-8-17

9. API Well No.
43-013-32240

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Duchesne, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Spud Report**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 2-21-03. MIRU Stubbs # 111. Drill 305' of 12 1/4" hole with air mist. TIH w/ 7 Jt's 85/8" J-55 24# csgn. Set @ 310.08'/KB On 3/06/03 cement with 250 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 10 bbls cement returned to surface. WOC.

RECEIVED
MAR 1 ? 2003
DIV [illegible] MINING

14. I hereby certify that the foregoing is true and correct

Signed Pat Wisener Title **Drilling Foreman** Date **03/07/2003**
Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 310.08

LAST CASING 8 5/8" SET AT 310.08'
DATUM 12' KB
DATUM TO CUT OFF CASING
DATUM TO BRADENHEAD FLANGE
TD DRILLER 305 LOGGER
HOLE SIZE 12 1/4

OPERATOR Inland Production Company
WELL Canvasback 15-22-8-17
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # Stubbs # 111

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		42.77 sh jt' shjt					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.23
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	304.08	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	291.99	7
TOTAL CSG. DEL. (W/O THRDS)	302.23	7
TIMING	1ST STAGE	
BEGIN RUN CSG.	SPUD	02/21/2003
CSG. IN HOLE		6:30am
BEGIN CIRC		
BEGIN PUMP CMT		
BEGIN DSPL. CMT		
PLUG DOWN	Cemented	03/06/2003

TOTAL LENGTH OF STRING	304.08
LESS CUT OFF PIECE	6
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**310.08**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 10
RECIPROCATED PIPE FOR THRU FT STROKE
DID BACK PRES. VALVE HOLD ? N/A
BUMPED PLUG TO 200 PSI

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	250	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT — SHOW MAKE & SPACING

Centralizers - Middle first, top second & third for 3

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MAR 12 2003
DIV. OF OIL, GAS & MINING

COMPANY REPRESENTATIVE Pat Wisener DATE 03/07/2003

011

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
ROOSEVELT, UT 84052

OPERATOR ACCT. NO: N5160

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	12299	43-013-32340	Canvasback #15-22-8-17	SW/SE	22	8S	17E	Duchesne	February 21, 2003	02/21/03

WELL 1 COMMENTS:

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	12299	43-013-32341	Canvasback #12-23-8-17	NW/SW	23	8S	17E	Duchesne	March 5, 2003	03/05/03

WELL 2 COMMENTS:

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kebbie S. Jones
Signature
Production Clerk
Title
March 14, 2003
Date

RECEIVED
MAR 14 2003
DIV. OF OIL, GAS & MINING

MAR-14-03 FRI 10:39 AM INLAND PRODUCTION CO FAX NO. 435 646 3031 P. 02

FORM 3160-5
(June 1990)

U' TED STATES
DEPARTM_NT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

012

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-77233

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Canvasback

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
15-22-8-17

9. API Well No.
43-013-32240

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
Duchesne, Utah

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
2056' FEL & 910' FSL SW/SE Sec 22. TWN 8S. R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[x] Other **Weekly Status Report**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

RECEIVED
MAR 2 6 2003
DIV. OF OIL, GAS & MINING

Weekly Status report for the period of 3-16-03 thru 3-24-03.

On 3-19-03 MIRU Eagle # 1. Set equipment. Pressure test Bop's, Kelly, TIW to 2,000 psi. Test 85/8" csgn to 1,500 psi. Vernal BLM office was notified of test. PU & MU BHA and tag cement @ 260'. Drill out cement and shoe. Con't to drill 77/8" hole with fresh water to a depth of 6318'. Lay down drill string. Open hole log. PU & MU Guide shoe, 1 jt 51/2" csg, Float collar & 146jt's J-55 15.5 # 51/2" csgn. Set @ 6299'/KB. Cement with 400* sks. 50/50 POZ w/ 3% KCL, 1/4#sk Cello-Flake, 2% Gel, .3%SMS, .05#sk Static free, Mixed @ 14.4PPG >1.24 YLD. Then 310* sks Prem Litell w/ 3% KCL, 3#/sk Kolseal, 8% Gel, .5SMS, 3#sk CSE, mixed @ 11.0PPG >3.43. Good returns thru job with 45 bbls of 50 bbls dye water to pit. Set slips with 76,000# tension. Nipple down BOP's. Release rig @ 5:30 pm on 3-24-03

14. I hereby certify that the foregoing is true and correct

Signed Pat Wisener Title **Drilling Foreman** Date **03/24/2003**
Pat Wisener

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6299.92

Flt cllr @ 6281'

LAST CASING 8 5/8" SET AT 310.08'

OPERATOR Inland Production Company

DATUM 12' KB

WELL Canvasback 15-22-8-17

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Eagle # 1

TD DRILLER 6318' LOGGER 6300'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		38' @ 4004'					
146	**5 1/2"**	ETC LT & C casing	**15.5#**	**J-55**	**8rd**	**A**	6269.67
		Float collar					0.6
1	**5 1/2"**	ETC LT&C csg	**15.5#**	**J-55**	**8rd**	**A**	17
		GUIDE shoe			**8rd**	**A**	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6301.92	147
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	36.8	1
TOTAL	**6323.47**	148
TOTAL CSG. DEL. (W/O THRDS)	6323.47	148
TIMING	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	8:30am	
CSG. IN HOLE	11:30am	
BEGIN CIRC	11:45am	11:47am
BEGIN PUMP CMT	11:55am	12:23pm
BEGIN DSPL. CMT	12:45pm	
PLUG DOWN		**1:10pm**

TOTAL LENGTH OF STRING	6301.92
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**6299.92**

} COMPARE

GOOD CIRC THRU JOB YES

Bbls CMT CIRC TO SURFACE 40 of 50 bbls dye water

RECIPROCATED PIPE FOR THRUSTROKE

DID BACK PRES. VALVE HOLD ? Yes

BUMPED PLUG TO 1700 PSI

CEMENT USED		CEMENT COMPANY- **B. J.**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	**310**	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	**400**	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT — SHOW MAKE & SPACING

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

RECEIVED
MAR 2 6 2003
DIV. OF OIL, GAS & MINING

COMPANY REPRESENTATIVE **Pat Wisener** DATE **03/24/2003**

FORM 3160-5
(Jun ay

U D STATES
DEPARTM T OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

013

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-77233

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
CANVASBACK

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
CANVASBACK 15-22-8-17

2. Name of Operator
INLAND PRODUCTION COMPANY

9. API Well No.
43-013-32240

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
910 FSL 2056 FEL SW/SE Section 22, T8S R17E

11. County or Parish, State
DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[x] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Weekly status report	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Status report for time period 4/14/03 - 4/24/03

Subject well had completion procedures initiated in the Green River formation on 4/14/03 without use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated w/ 20/40 mesh sand. Stage #1: CP3 sds (6216-6227'), (6205-6214') and CP2 sds (6158 6171') were perforated. All 4 JSPF. A service rig was then moved on well on 4/17/03. The remainder of stage #1 was perforated: CP4 sds (6285-6295'). All 4 JSPF. The CP2, 3 and 4 interval was then hydraulically fracture treated with 20/40 mesh sand. Stage #2: CP1 sds (6094-6105'), (6084-6090') and CP.5 sds (6054-6061') were perforated and hydraulically fracture treated with 20/40 mesh sand. All 4 JSPF. Stage #3: LODC sds (5773-5777') and (5755-5759') were perforated and hydraulically fracture treated with 20/40 mesh sand. All 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. Bridge plugs were drilled out. Zones were swab tested for sand cleanup. Sand was cleaned out to TD @ 6318'. A BHA and production tbg string were run in and anchored in well. End of tubing string @ 6221'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 4/24/03.

14. I hereby certify that the foregoing is true and correct

Signed Martha Hall Title Office Manager Date 4/25/2003

Martha Hall

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

APR 2 8 2003

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

Inland
RESOURCES INC.

May 27, 2003

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

Canvasback 15-22-8-17 (43-013-32240)
Duchesne County, UT

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver

RECEIVED
MAY 29 2003
DIV. OF OIL, GAS & MINING

410 Seventeenth Street, Suite 700, Denver, CO 80202 • 303-893-0102 • FAX 303-893-0103

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UTU-77233

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1a. TYPE OF WORK

1b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

7. UNIT AGREEMENT NAME: Canvasback

8. FARM OR LEASE NAME, WELL NO.: CB 15-22-8-17

2. NAME OF OPERATOR: INLAND RESOURCES INC.

9. WELL NO.: 43-013-32240

3. ADDRESS AND TELEPHONE NO.: 410 17th St. Suite 700 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)

At Surface: 910' FSL & 2056' FEL (SWSW) Sec. 22, Twp 8S, Rng 17E

At top prod. Interval reported below

At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 22, Twp 8S, Rng 17E

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-32240	12/24/02	Duchesne	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2/21/03	3/23/03	4/24/03	GI 5168' KB 5180'	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6318'	6299'		------->	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 5755'-6295'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log 3-31-03 4-17-03

27. WAS WELL CORED: No

23. 3-31-03

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	310'	12-1/4"	To surface with 250 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6299'	7-7/8"	310 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 6220'	TA @ 6119'

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2,3,4) 6285-95', 6216-27', 6205'-14', 6158-71'	.038"	4/172	6158'-6295'	Frac w/ 98,671# 20/40 sand in 424 bbls fluid
(CP.5,1) 6094-6105', 6084-90', 6054-61'	.038"	4/96	6054'-6105'	Frac w/ 78,834# 20/40 sand in 343 bbls fluid
(LODC) 5773-77', 5755-59'	.038"	4/32	5755'-5777'	Frac w/ 19,757# 20/40 sand in 91 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
4/24/03	2-1/2" x 1-1/2" x 15' RHAC Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave				63	63	20	1000

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

RECEIVED
MAY 29 2003
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Brian Harris TITLE Engineering Technician DATE 5/27/2003

BDH

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Canvasback 15-22-8-17**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	**4390'**	
Garden Gulch 2	**4506'**	
Point 3 Mkr	**4783'**	
X Mkr	**5018'**	
Y-Mkr	**5052'**	
Douglas Creek Mkr	**5141'**	
BiCarbonate Mkr	**5454'**	
B Limestone Mkr	**5594'**	
Castle Peak	**6034'**	
Basal Carbonate		
Total Depth (LOGGERS	**6318'**	

FORM 3160-5
(June 1990)

015

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-77233

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
CANVASBACK

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
CANVASBACK 15-22-8-17

9. API Well No.
43-013-32240

2. Name of Operator
INLAND PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
DUCHESNE COUNTY, UT

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
910 FSL 2056 FEL SW/SE Section 22, T8S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[X] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 11/14/2003

Mandie Crozier

CC: UTAH DOGM

RECEIVED
NOV 17 2003
DIV. OF OIL, GAS & MINING

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael L Coulthard

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

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UTU-

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68528A
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72613A
73520X
74477X
75023X
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76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ML-22347-A	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

8. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR:
WESTPORT OIL & GAS COMPANY L.P.

9. WELL NAME and NUMBER:
LOVE 1121-16H

3. ADDRESS OF OPERATOR:
1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2539'FNL & 460'FEL 622834X 4413092Y 39.860866 -109.563965
AT PROPOSED PRODUCING ZONE:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SENE 16 11S 21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
27.1 MILES SOUTHEAST OF OURAY, UTAH

12. COUNTY:
UINTAH

13. STATE:
UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
460'	1275.39	40

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	19. PROPOSED DEPTH:	20. BOND DESCRIPTION:
REFER TO TOPO C	8,800	RLB0005238

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:
5518'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	9 5/8	H-40	32.3#	1,900	265 SX
7 7/8	4 1/2	I-80	11.6#	8,800	1880 SX

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 1/20/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36257

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 03-10-05
By:

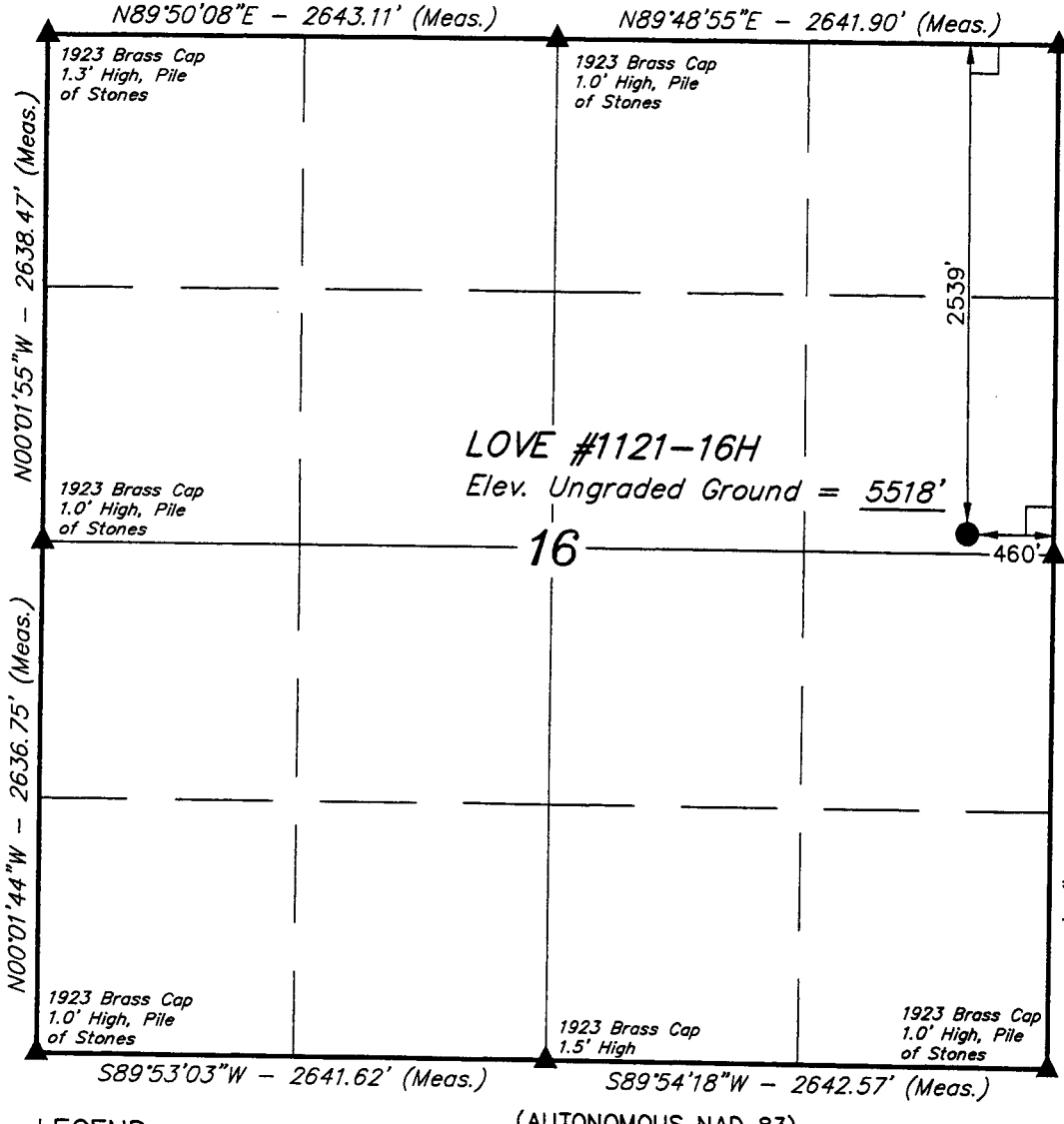
RECEIVED
JAN 24 2005
DIV. OF OIL, GAS & MINING

(11/2001) (See Instructions on Reverse Side)

WESTPORT OIL AND GAS COMPANY, L.P.

T11S, R21E, S.L.B.&M.

Well location, LOVE #1121-16H, located as shown in the SE 1/4 NE 1/4 of Section 16, T11S, R21E, S.L.B.&M. Uintah County, Utah.

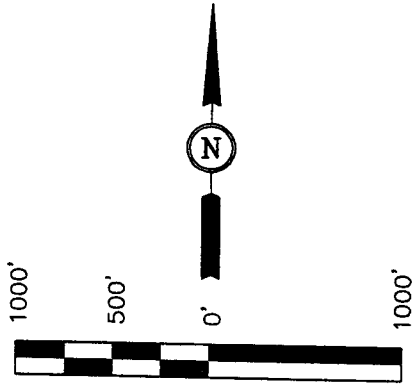


BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 2, T11S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5584 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)
LATITUDE = 39°51'39.12" (39.860867)
LONGITUDE = 109°33'52.72" (109.564644)

(AUTONOMOUS NAD 27)
LATITUDE = 39°51'39.24" (39.860900)
LONGITUDE = 109°33'50.25" (109.563958)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 11-29-04	DATE DRAWN: 12-16-04	
PARTY: K.K. F.I. E.C.O.	REFERENCES: G.L.O. PLAT		
WEATHER: COOL	FILE: WESTPORT OIL AND GAS COMPANY, L.P.		

Division of Oil, Gas and Mining

ROUTING
1. GLH
2. CDW
3. FILE

OPERATOR CHANGE WORKSHEET

017

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — **Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:** **CANVASBACK (GREEN RIVER)**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
BALCRON FED 12-22Y	22	080S	170E	4301331476	12299	Federal	WI	A	
BALCRON MON FED 22-22-8-17Y	22	080S	170E	4301331538	12299	Federal	OW	P	
BALCRON MON FED 11-22-8-17Y	22	080S	170E	4301331539	12299	Federal	OW	P	
MON FED 13-22-8-17Y	22	080S	170E	4301331583	12299	Federal	OW	S	
MON FED 32-22-8-17	22	080S	170E	4301331586	12299	Federal	WI	A	
MON FED 31-22-8-17	22	080S	170E	4301331587	12299	Federal	OW	P	
MON FED 33-22-8-17	22	080S	170E	4301331588	12299	Federal	OW	P	
MON FED 23-22-8-17Y	22	080S	170E	4301331702	12299	Federal	WI	A	
PARIETTE DRAW 8-22	22	080S	170E	4301331826	12299	Federal	OW	P	
CANVASBACK 13A-22-8-17	22	080S	170E	4301332238	12299	Federal	OW	P	
CANVASBACK 14-22-8-17	22	080S	170E	4301332239	12299	Federal	OW	P	K
CANVASBACK 15-22-8-17	22	080S	170E	4301332240	12299	Federal	OW	P	K
CANVASBACK 16-22-8-17	22	080S	170E	4301332241	12299	Federal	OW	P	
FEDERAL 13-23-8-17	23	080S	170E	4301332340	12299	Federal	OW	P	
CANVASBACK 12-23-8-17	23	080S	170E	4301332341	12299	Federal	OW	P	
CANVASBACK 4-23-8-17	23	080S	170E	4301332342	12299	Federal	OW	P	
CANVASBACK 5-23-8-17	23	080S	170E	4301332343	12299	Federal	OW	P	
FEDERAL 14-23-8-17	23	080S	170E	4304734556	12299	Federal	OW	P	
CANVASBACK 15-23-8-17	23	080S	170E	4304734557	12299	Federal	D	PA	
CANVASBACK 3-23-8-17	23	080S	170E	4304734567	12299	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

Division of Oil, Gas and Mining

ROUTING

1. GLH
2. CDW
3. FILE

OPERATOR CHANGE WORKSHEET

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Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

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NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
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PARIETTE DRAW 8-22	22	080S	170E	4301331826	12299	Federal	OW	P	
CANVASBACK 13A-22-8-17	22	080S	170E	4301332238	12299	Federal	OW	P	
CANVASBACK 14-22-8-17	22	080S	170E	4301332239	12299	Federal	OW	P	K
CANVASBACK 15-22-8-17	22	080S	170E	4301332240	12299	Federal	OW	P	K
CANVASBACK 16-22-8-17	22	080S	170E	4301332241	12299	Federal	OW	P	
FEDERAL 13-23-8-17	23	080S	170E	4301332340	12299	Federal	OW	P	
CANVASBACK 12-23-8-17	23	080S	170E	4301332341	12299	Federal	OW	P	
CANVASBACK 4-23-8-17	23	080S	170E	4301332342	12299	Federal	OW	P	
CANVASBACK 5-23-8-17	23	080S	170E	4301332343	12299	Federal	OW	P	
FEDERAL 14-23-8-17	23	080S	170E	4304734556	12299	Federal	OW	P	
CANVASBACK 15-23-8-17	23	080S	170E	4304734557	12299	Federal	D	PA	
CANVASBACK 3-23-8-17	23	080S	170E	4304734567	12299	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

March 10, 2005

Westport Oil & Gas Company, LP
1368 South 1200 East
Vernal, UT 84078

Re: Love 1121-16H Well, 2539' FNL, 460' FEL, SE NE, Sec. 16, T. 11 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36257.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Utah!
Where ideas connect™

Operator: Westport Oil & Gas Company, LP
Well Name & Number Love 1121-16H
API Number: 43-047-36257
Lease: ML-22347-A

Location: SE NE **Sec.** 16 **T.** 11 South **R.** 21 East

Conditions of Approval

1. **General**
   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**
   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**
   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

#43013322240

018

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

MAR 11 2005

Ref: 8P-W-GW

RECEIVED
MAR 15 2005
DIV. OF OIL, GAS & MINING

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Mike Guinn
Vice President - Operations
Newfield Production Co.
Route 3 - Box 3630
Myton, Utah 84502

RE: ADDITIONAL WELL TO AREA PERMIT
Canvasback Area Permit: UT20855-00000
Canvasback No. 15-22-8-17
Well ID: 20855-06415
SW SE Sec. 22 - T8S - 17E
Duchesne County, Utah

Dear Mr. Guinn:

The Newfield Production Co. (Newfield) request **to convert** a former Green River Formation oil well, the Canvasback No. 15-22-8-17, to a Garden Gulch-Douglas Creek-Basal Carbonate Members of the Green River Formation enhanced recovery injection well in the Canvasback Area Permit is hereby authorized. The proposed Canvasback No. 15-22-8-17 Class II enhanced recovery injection well is within the exterior boundary of the Canvasback Area Permit UT20855-00000; is within the exterior boundary of the Uintah & Ouray Indian Reservation; and the addition is being made under the authority of 40 CFR § 144.33 (c) and the terms of the Area Permit. Unless specifically mentioned in the enclosed Authorization For An Additional Well, all terms and conditions of the original Area Permit will apply to the conversion, operation, monitoring, and plugging and abandonment of the Canvasback No. 15-22-8-17.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

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Prior to beginning injection, the Environmental Protection Agency (EPA) requires that Newfield submit for review and approval (1) the results of a **Part I (Internal) mechanical integrity test** (MIT), (2) a **pore pressure** calculation of the injection interval, (3) an **EPA Form No. 7520-12** (Well Rework Record, enclosed).

Part II. Section C. Condition No. 5 (b) (1), (Injection Pressure Limitation), Canvasback Area Permit (UT20855-00000) , cites the method by which the maximum initial allowable injection pressure (MAIP) shall be calculated for each Additional Well to the Canvasback Area Permit. As a result, the MAIP for the Canvasback No. 15-22-8-17 shall not exceed **1755 psig**. The Canvasback Area Permit, Part II. C. 5., provides an opportunity for the permittee to request an increase, or decrease, in the initial maximum surface injection pressure.

Please be aware that Newfield does not have authorization to begin injection into the Canvasback No. 15-22-8-17 until the Prior to Commencing Injection requirements, listed above, have been submitted and evaluated by the EPA, and Newfield has received written authorization to begin injection from the Assistant Regional Administrator, or the Assistant Regional Administrator's authorized representative.

If Newfield has any questions, please call Mr. Dan Jackson at (800) 227-8917 (Ext. 6155), or in the Denver area at (303) 312-6155. Please submit the required pre-authorization to inject data to **ATTENTION: DAN JACKSON**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

Carol L. Campbell for

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosures: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Guidance No. 39: Part I Mechanical Integrity (Internall)
Schematic Diagram: Proposed Conversion

cc w/ enclosures: Maxine Natchees
Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Elaine Willie
Environmental Coordinator
Ute Indian Tribe

Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

David Gerbig
Operations Engineer
Newfield Production Company

Gil Hunt
Technical Services Manager
State of Utah - Natural Resources

Kirk Fleetwood
Sr. Petroleum Engineer
Bureau of Land Management
Vernal District

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

AUTHORIZATION FOR AN ADDITIONAL WELL
TO THE
CANVASBACK AREA PERMIT: UT20855-00000

The Environmental Protection Agency (EPA) authorizes the inclusion of an additional enhanced recovery injection well to the Canvasback Area Permit No. UT20855-00000, as authorized by 40 CFR § 144.33 (c). The additional well is described as:

WELL NAME: CANVASBACK NO. 15-22-8-17

WELL PERMIT NUMBER: UT20855-06415

SURFACE LOCATION: 910' FSL & 2056' FEL (SW SE)
Sec. 22 - T8S - R17E
Duchesne County, Utah.

This well is subject to all provisions of the original Canvasback Area Permit No. UT20855-00000, and subsequent Modifications, unless specifically detailed below:

UNDERGROUND SOURCE OF DRINKING WATER (USDW): The base of the USDW (Total Dissolved Solids less than 10,000 mg/l) in the Canvasback No.15-22-8-17 occurs within the Uinta Formation **less than 50 feet** from ground level (GL). The source for the location of the base of the USDW is the STATE OF UTAH: PUBLICATION NO. 2. BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH. Surface casing was set at **310 feet** kelly bushing (KB) and cemented to the surface.

Reference: http://NRWRT1.NR.STATE.UT.US...Water Rights...Queries...POD: Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Canvasback No. 15-22-8-17 there are no reservoirs, streams, springs or wells.

WATER ANALYSES:

Produced Green River Formation Water: (4-28-04) **58,696 mg/l TDS.**

Source Water: Johnson Water District Reservoir. (3/31/04) **400 mg/l TDS.**

Blended Injectate: (5/04/04) **29,803 mg/l TDS.**

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CONFINING ZONE REVIEW: CANVASBACK NO. 15-22-8-17. (4756' - 4200')

The EPA has authorized the gross interval from the top of the Garden Gulch Member to the top of the Wasatch as the enhanced recovery injection interval within the Canvasback Area Permit. Overlying the top of the Garden Gulch Member (4200 feet), in the Canvasback No. 15-22-8-17, are thirty-four (34) feet of Green River Formation black, slightly silty, impervious shale which forms an effective lithologic confining zone.

INJECTION ZONE REVIEW: CANVASBACK NO. 15-22-8-17.

The Canvasback Final Area Permit (Effective August 18, 2000) authorized injection into the Garden Gulch and Douglas Creek Members of the Green River Formation. By Major Permit Modification No. 3 (Effective September 10, 2003) the EPA authorized the gross Green River Formation Garden Gulch-Douglas Creek-Basal Carbonate Members as the enhanced recovery injection interval for the Canvasback Area Permit. This Modification also recognized the **Federal No. 1-26** (NE NW Sec. 26 - T8S - R17E), UIC Permit No. UT20702-04671, as the **TYPE WELL** for identifying the tops of the Garden Gulch Member, the Douglas Creek Member, the Basal Carbonate Member, the top of the Wasatch Formation and the "Confining Zone" overlying the top of the Garden Gulch Member.

The authorized injection zone for the Canvasback No. 15-22-8-17 will be from the Garden Gulch Member (4200 feet) to the top of the Wasatch Formation (Estimated to be 6575 feet).

Lithologically, the gross authorized enhanced recovery injection interval, Garden Gulch to the top of the Wasatch Formation, is fluvial and lacustrine shale, fluvial and lacustrine sandstone, lacustrine marlstone, and limestone. The Uinta and Green River Formations are predominantly non-lacustrine fluvial shale and sandstone on the basin margins, whereas lacustrine deposition predominates in the central basin area for these two formations. The Wasatch Formation is predominantly fluvial, except for increasing minor lacustrine deposition in the central basin area.

WELL CONSTRUCTION REVIEW: CANVASBACK NO. 15-22-8-17.

SURFACE CASING: 8-5/8 inch casing is set at 310 feet in a 12-1/4 inch hole, using 250 sacks of Class "G" cement circulated to the surface. The base of the USDW is less than fifty (50) feet from ground level.

LONGSTRING CASING: 5-1/2 inch casing is set at 6300 feet kelly bushing (KB) in a 7-7/8 inch hole, and cemented with 310 sacks of Premium Lite II mixed and 400 sacks of 50/50 Pozmix.

The operator identifies the top of cement at 400 feet.

The EPA analysis of the CBL/GR identifies 80% cement bond index across the Garden Gulch Member confining zone from 2708 feet to 5958 feet.

An EPA analysis of the Canvasback No. 15-22-8-17 CBL/GR did identify 80% bond index cement bond across the Garden Gulch Member confining zone, pursuant to standards of Region 8 GROUND WATER SECTION GUIDANCE NO. 34: Cement Bond Logging Techniques and Interpretation. Therefore, it **has been determined that the cement in this well provides an effective barrier** to significant upward movement of fluids through vertical channels adjacent to the wellbore, pursuant to 40 CFR 146.8 (a) (2).

PART II. A. CONSTRUCTION REQUIREMENTS FOR ADDITIONAL WELLS

Tubing and Packer: (Condition 3)

For injection purposes, the **Canvasback No. 15-22-8-17** shall be equipped with 2-7/8 tubing with a packer to be set at a depth no higher than 100 feet above the top perforation.

Formation Testing and Logging (Condition 6)

(a) Upon conversion of the **Canvasback No. 15-22-8-17,** the permittee is required to determine the injection zone **fluid pore pressure** (static bottom hole pressure) prior to commencement of enhanced recovery injection operation. The results of this test shall be submitted to the EPA.

(b) A **Step-Rate Test (SRT)** shall be performed on the **Canvasback No. 15-22-8-17** within three (3) to six (6) months after injection operations are initiated and the results submitted to the EPA. The permittee may contact the EPA prior to conducting the SRT to acquire the most current Guidance for conducting the SRT.

PART II. B.

Corrective Action

As of February 2005, there are four (4) active Green River oil wells within or proximate to the one-quarter (1/4) mile radius around the Canvasback No. 15-22-8-17-8-17. No wells need Corrective Action.

Garden Gulch-Douglas Creek Members Oil Wells:

Canvasback No. 14-22-8-17: **SE SW Sec. 22 -T8S-R17E**

Top Garden Gulch Member:	4183 feet
Garden Gulch Confining Zone:	4119 feet to 4183 feet
Top 80% EPA Cement Bond:	3800 feet - 4100 feet and 4216 feet - 4238 feet
Top Douglas Creek Member:	5168 feet
Total Depth (Driller):	6300 feet in Douglas Creek Member

The 64-foot confining shale (4119 feet to 4183 feet) overlying the top of the Garden Gulch Member (4183 feet) is not protected by 80% bond index cement bond. This lack of confining zone annulus cement may not prevent upward movement of injected fluids through vertical channels adjacent to the well bore. The permittee will be required to inspect the surface of this location for fluid leaks on a weekly basis. **Any observation of surface leakage may be considered as noncompliance with the Canvasback No. 15-22-8-17 Permit.** The Canvasback No. 15-22-8-17 shall suspend operations immediately, and will stay suspended until the noncompliance has been resolved, and renewed injection has been approved in writing by the Director.

Canvasback No. 16-22-8-17 : **SE SE Sec. 22-T8S-R17E**

Top Garden Gulch Member:	4198 feet
Garden Gulch Confining Zone:	4154 feet to 4198 feet
Top 80% EPA Cement Bond:	3884 feet - 4128 feet and 4228 feet - 4362 feet.
Top Douglas Creek Member:	5176 feet
Total Depth (Driller):	6379 feet in Douglas Creek Member.

The 44-foot confining shale (4154 feet to 4198 feet) overlying the top of the Garden Gulch Member (4198 feet) is not protected by 80% bond index cement bond. This lack of confining zone annulus cement may not prevent upward movement of injected fluids through vertical channels adjacent to the well bore. The permittee will be required to inspect the surface of this location for fluid leaks on a weekly basis. **Any observation of surface leakage may be considered as noncompliance with the Canvasback No. 15-22-8-17 Permit.** The Canvasback No. 15-22-8-17 shall suspend operations immediately, and will stay suspended until the noncompliance has been resolved, and renewed injection has been approved in writing by the Director.

Greater Boundary No. 2-27-8-17: **NW NE Sec. 27-T8S-R17E**

Top Garden Gulch Member:	4106 feet
Garden Gulch Confining Zone:	4052 feet to 4106 feet
Top 80% EPA Cement Bond:	4074 feet to 4092 feet
Top Douglas Creek Member:	5098 feet
Total Depth (Driller):	6304 feet in Douglas Creek Member

The 54-foot Confining Zone contains eighteen (18) feet of continuous 80% bond index cement bond. This annulus cement is considered adequate to confine the injectate to the authorized injection interval.

Monument Federal No. 33-22-8-17: **NW SE Sec. 22-T8S-R17E**

Top Garden Gulch Member:	4194 feet
Garden Gulch Confining Zone:	4157 feet to 4194 feet
Top 80% EPA Cement Bond:	4153 feet to 4171 feet
Total Depth (Driller):	6350 feet

The 37-foot Confining Zone contains eighteen (18) feet of continuous 80% bond index cement bond. This annulus cement is considered adequate to confine the injectate to the authorized injection interval.

PART II. C.

Prior to Commencing Injection (Additional Wells) (Condition 2)

Canvasback No. 15-22-8-17: This document is being issued without authority to inject. Prior to beginning injection, the operator is required to submit the following information for EPA review and written approval:

- A successful **mechanical integrity test (MIT)** demonstrating Part I Internal MI (Enclosed);
- a **pore pressure calculation** of the proposed injection zone; and an
- EPA Form No. 7520-12 (**Well Rework Record**, enclosed).

Injection Interval (Condition 3)

Injection shall be limited to the **gross Garden Gulch, Douglas Creek and Basal Carbonate Members of the Green River Formation from** 4200 feet (KB) to the top of the Wasatch Formation, estimated to be 6575 feet (KB).

Injection Pressure Limitation (Condition 4)

Pursuant to Final Area Permit UT20855-00000, Part II. Section C. 5. (b) (1), the maximum allowable injection pressure (MAIP) *"...shall be determined for each Area Permit well as:" "(1) Using sand fracture treatment data, the EPA will calculate the MIP for each treated (sand/frac) interval using the instantaneous shut-in pressure (ISIP) from that interval. The minimum MIP calculated shall be the initial maximum surface injection pressure for that well;".* A fracture gradient (FG) of 0.740 psi/ft is the minimum value FG calculated from the three (3) ISIP sand/frac treatments.

Until such time that a step-rate injectivity test (SRT) has been performed, reviewed, and approved by the EPA, the initial maximum allowable injection pressure **(MAIP)** for the **Canvasback No. 15-22-8-17** shall not exceed **1755 psig.**

MAIP = [FG - (0.433)(SG) D

FG = 0.740 psi/ft (Calculated from sd/frac ISIP)
SG = 1.005
D = 5755 feet. Top perforation.

MAIP = [0.740 - (0.433)(1.005) 5755

MAIP = 1754 psig, but rounded up to **1755 psig.**

Final Area Permit (UT20855-00000), has a provision whereby the operator may request an increase, or decrease, in the maximum surface injection pressure.

PART II. F.

Demonstration of Financial Responsibility: (Condition 1)

The current plugging and abandonment cost for the Canvasback No. 15-22-8-17 is estimated to be $33,025.00. The applicant has chosen to demonstrate financial responsibility via a **Financial Statement** that has been reviewed and approved by the EPA.

PART III. E.

Reporting of Noncompliance: (Condition 10)

(a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted **no later than thirty (30) days following each schedule date.**

(c) Written Notice of any noncompliance which may endanger health or the environment **shall be reported to the Director within five (5) days** of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned tp prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: (Condition 11)

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning **1.800.227-8917** and asking for the **EPA Region VIII UIC Program Compliance and Enforcement Director,** or by contacting the **Region VIII Emergency Operations Center at 303.293.1788** if calling from outside EPA Region VIII. The following information shall be included in the verbal report:

(a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

(b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: (Condition 12)

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting

the **National Response Center (NRC) 1.800.424.8802 or 202.267.2675,** or through the **NRC website at http://www.nrc.uscg.mil/index.htm.**

Other Noncompliance: (Condition 13)

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III. 10. c. ii. of this Permit.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

APPENDIX C

PLUGGING AND ABANDONMENT: The Plugging and Abandonment (P&A) Plan (Application Attachment Q-2) submitted by the applicant has been reviewed and approved by the EPA. The P&A Plan is now consistent with EPA requirements to protect all USDWs. The permittee will place 9.2 ppg plugging gel or bentonite mud between all cement plugs.

PLUG NO. 1: Set a cast iron bridge plug (CIBP) at 5660 feet. Place 100 feet of Class "G" cement on top of CIBP.

PLUG NO. 2: Set a cement plug inside of the 5-1/2 inch casing from 2000 feet to 2200 feet over a water zone.

PLUG NO. 3: Perforate 4 jet shots per foot at 361 feet. Set Class "G" cement inside of 5-1/2 inch casing and in the 5-1/2 inch X 8-5/8 inch annulus from 361 feet to the surface.

This authorization for well conversion of the Canvasback No.15-22-8-17 to an injection well becomes effective upon signature.

Date: MAR 11 2005

Carol L. Campbell for

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Form Approved. OMB No. 2040-0042. Expires 6-30-98

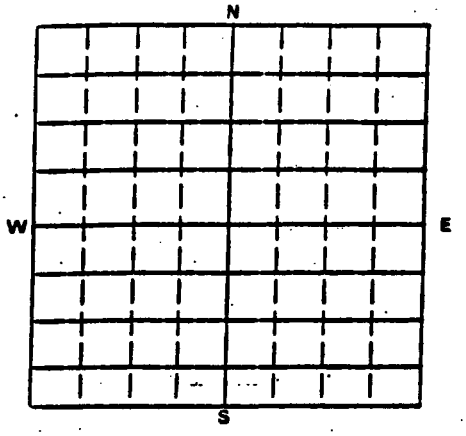
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



STATE	COUNTY	PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section ___ Township ___ Range ___

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location ____ ft. from (N/S) ____ Line of quarter section

and ____ ft. from (E/W) ____ Line of quarter section

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☐ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	Total Depth After Rework	☐ Individual ☐ Area Number of Wells ____
Lease Name	Date Rework Commenced	Well Number
	Date Rework Completed	

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39
Pressure testing injection wells for Part I (internal) Mechanical Integrity

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

(1) There is no significant leak in the tubing, casing or packer; and

(2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. **If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.**

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

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would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

Pressure Test Description

Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. **If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate.** Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;

2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);

3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;

4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

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depending on well specific conditions (See Region VIII UIC Section Guidance #36);

5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and

6. Class III uranium extraction wells; initially.

Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

Test Criteria

1. The duration of the pressure test is 30 minutes.

2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.

3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.

4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

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chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.

2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.

3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.

4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.

5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the

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well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.

8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.

9. Hook-up well to pressure source and apply pressure until test value is reached.

10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.

11. Record tubing and annulus pressure values every five (5) minutes.

12. At the end of the test, record the final tubing pressure.

13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.

14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

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15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.

16. Return to office and prepare follow-up.

Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these **exceptional or extraordinary** conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

Printed on Recycled Paper

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: ____/____/____

Test conducted by: _____

Others present: _____

Well Name:_____ Type: ER SWD Status: AC TA UC

Field:_____

Location:_____ Sec:____ T ____N / S R____E / W County:_____State:___

Operator:_____

Last MIT: ____/____/____ Maximum Allowable Pressure: _____PSIG

Is this a regularly scheduled test? [ ] Yes [ ] No

Initial test for permit? [ ] Yes [ ] No

Test after well rework? [ ] Yes [ ] No

Well injecting during test? [ ] Yes [ ] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	psig	psig	psig
End of test pressure	psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	psig	psig	psig
5 minutes	psig	psig	psig
10 minutes	psig	psig	psig
15 minutes	psig	psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

Canvasback #15-22-8-17

Spud Date: 2/21/2003
Put on Production: 4/24/2003
GL: 5168' KB: 5189'

Initial Production: 63 BOPD, 63 MCFD, 20 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24# Base USDW's < 50'
LENGTH: 7 jts. (304.08')
DEPTH LANDED: 310.08' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 250 sxs Class "G" cmt. Estimated 10 bbls cmt. to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6301.92')
DEPTH LANDED: 6299.92' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 310 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 400'

TUBING

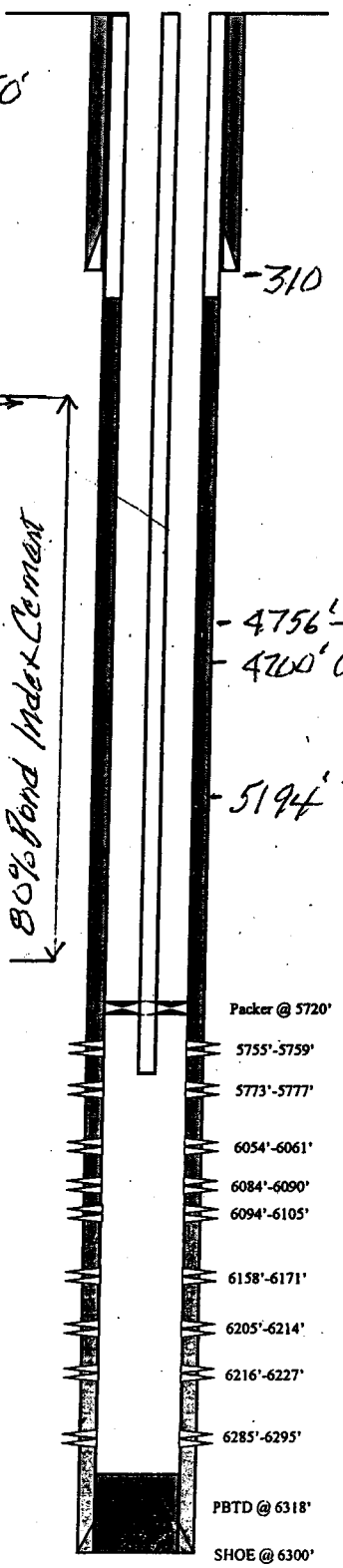
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 189 jts (6107.23')
TUBING ANCHOR: 6119.23' KB
NO. OF JOINTS: 1 jt (32.33')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6154.36' KB
NO. OF JOINTS: 2 jts. (64.88')
TOTAL STRING LENGTH: EOT @ 6220.79' KB
5958'

FRAC JOB

4/21/03 6158'-6295' **Frac CP2, CP3, and CP4 sands as follows:** 98,671# 20/40 sand in 424 bbls 1-25 Viking fluid. Treated @ avg press of 1800 psi w/avg rate of 27.0 BPM. ISIP2020 psi. Calc flush: 6156 gal. Actual flush: 5947 gal.

4/21/03 6054'-6105' **Frac CP .5 and CP1 sands as follows:** 78,834# 20/40 sand in 343 bbls 1-25 Viking fluid. Treated @ avg press of 2400 psi w/avg rate of 25.5 BPM. ISIP 1850 psi. Calc flush: 6052 gal. Actual flush: 5843 gal.

4/21/03 5755'-5777' **Frac LODC sands as follows:** 19,757# 20/40 sand in 91 bbls 1-25 Viking fluid. Treated @ avg press of 2375 psi w/avg rate of 26.0 BPM. ISIP 1790 psi. Calc flush: 5753 gal. Actual flush: 5843 gal.



PERFORATION RECORD

4/14/03	6216'-6227'	4 JSPF	44 holes
4/14/03	6205'-6214'	4 JSPF	36 holes
4/14/03	6158'-6171'	4 JSPF	52 holes
4/21/03	6285'-6295'	4 JSPF	40 holes
4/21/03	6094'-6105'	4 JSPF	44 holes
4/21/03	6084'-6090'	4 JSPF	24 holes
4/21/03	6054'-6061'	4 JSPF	28 holes
4/21/03	5773'-5777'	4 JSPF	16 holes
4/21/03	5755'-5759'	4 JSPF	16 holes

Est. Basal Carbonate 6450
Est. Wasatch 6575'

Inland Resources Inc.

Canvasback #15-22-8-17

910' FSL & 2056' FEL

SW/SE Section 22-T8S-R17E

Duchesne Co, Utah

API #43-013-32240; Lease #UTU-77233

MC 5/5/04

016

4301332340

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

MAR 22 2005

RECEIVED
MAR 23 2005
DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

Mr. Mike Guinn
Vice President - Operations
Newfield Production Co.
Route 3 - Box 3630
Myton, Utah 84502

RE: ADDITIONAL WELL TO AREA PERMIT
Canvasback Area Permit: UT20855-00000
Canvasback Federal No. 13-23-8-17
Well ID: 20855-06520
NW SW Sec. 23 - T8S - 17E
Duchesne County, Utah

Dear Mr. Guinn:

The Newfield Production Co. (Newfield) request **to convert** a former Green River Formation oil well, the Canvasback Federal No. 13-23-8-17, to a Garden Gulch-Douglas Creek-Basal Carbonate Members of the Green River Formation enhanced recovery injection well in the Canvasback Area Permit is hereby authorized. The proposed Canvasback Federal No. 13-23-8-17 Class II enhanced recovery injection well is within the exterior boundary of the Canvasback Area Permit UT20855-00000; is within the exterior boundary of the Uintah & Ouray Indian Reservation; and the addition is being made under the authority of 40 CFR § 144.33 (c) and the terms of the Area Permit. Unless specifically mentioned in the enclosed Authorization For An Additional Well, all terms and conditions of the original Area Permit will apply to the conversion, operation, monitoring, and plugging and abandonment of the Canvasback Federal No. 13-23-8-17.

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Prior to beginning injection, the Environmental Protection Agency (EPA) requires that Newfield submit for review and approval (1) the results of a **Part I (Internal) mechanical integrity test** (Guidance enclosed), (2) a **pore pressure** calculation of the injection interval, (3) an **EPA Form No. 7520-12** (Well Rework Record, enclosed).

Part II. Section C. Condition No. 5 (b) (1), (Injection Pressure Limitation), Canvasback Area Permit (UT20855-00000) , cites the method by which the maximum initial allowable injection pressure (MAIP) shall be calculated for each Additional Well to the Canvasback Area Permit. As a result, the MAIP for the Canvasback Federal No. 13-23-8-17 shall not exceed **1365 psig**. The Canvasback Area Permit, Part II. C. 5., provides an opportunity for the permittee to request an increase, or decrease, in the initial maximum surface injection pressure.

Please be aware that Newfield does not have authorization to begin injection into the Canvasback Federal No. 13-23-8-17 until the Prior to Commencing Injection requirements, listed above, have been submitted and evaluated by the EPA, and Newfield has received written authorization to begin injection from the Assistant Regional Administrator, or the Assistant Regional Administrator's authorized representative.

If Newfield has any questions, please call Mr. Dan Jackson at (800) 227-8917 (Ext. 6155), or in the Denver area at (303) 312-6155. Please submit the required pre-authorization to inject data to **ATTENTION: DAN JACKSON**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,

Carol L. Campbell for

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosures: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Guidance No. 39: Part I Mechanical Integrity (Internal)
Schematic Diagram: Proposed Conversion

cc w/ enclosures: Maxine Natchees
Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Elaine Willie
Environmental Coordinator
Ute Indian Tribe

Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

David Gerbig
Operations Engineer
Newfield Production Company

Gil Hunt
Technical Services Manager
State of Utah - Natural Resources

Kirk Fleetwood
Sr. Petroleum Engineer
Bureau of Land Management
Vernal District

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

AUTHORIZATION FOR AN ADDITIONAL WELL
TO THE
CANVASBACK AREA PERMIT: UT20855-00000

The Environmental Protection Agency (EPA) authorizes the inclusion of an additional enhanced recovery injection well to the Canvasback Area Permit No. UT20855-00000, as authorized by 40 CFR § 144.33 (c). The additional well is described as:

WELL NAME: CANVASBACK FEDERAL NO. 13-23-8-17

WELL PERMIT NUMBER: UT20855-06520

SURFACE LOCATION: 306' FSL & 642' FWL (SW SW)
Sec. 22 - T8S - R17E
Duchesne County, Utah.

This well is subject to all provisions of the original Canvasback Area Permit No. UT20855-00000, and subsequent Modifications, unless specifically detailed below:

UNDERGROUND SOURCE OF DRINKING WATER (USDW): The base of the USDW (Total Dissolved Solids less than 10,000 mg/l) in the Canvasback Federal No.13-23-8-17 occurs within the Uinta Formation **less than 80 feet** from ground level (GL). The source for the location of the base of the USDW is the STATE OF UTAH: PUBLICATION NO. 2. BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH. Surface casing was set at **310 feet** kelly bushing (KB) and cemented to the surface.

Reference: http://NRWRT1.NR.STATE.UT.US...Water Rights...Queries...POD: Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Canvasback Federal No.13-23-8-17 there are no reservoirs, streams, springs or wells.

WATER ANALYSES:

Produced Green River Formation Water: (7/15/04) **13,367 mg/l TDS.**

Source Water: Johnson Water District Reservoir. (3/31/04) **400 mg/l TDS.**

Blended Injectate: (7/21/01) **7761 mg/l TDS.**

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CONFINING ZONE REVIEW: CANVASBACK FEDERAL NO. 13-23-8-17

The EPA has authorized the gross interval from the top of the Garden Gulch Member to the top of the Wasatch as the enhanced recovery injection interval within the Canvasback Area Permit. Overlying the top of the Garden Gulch Member (4178 feet), in the Canvasback Federal No. 13-23-8-17, are forty-six (46) feet **(4132 feet to 4178 feet)** of Green River Formation black, slightly silty, impervious shale which forms an effective lithologic confining zone.

INJECTION ZONE REVIEW: CANVASBACK FEDERAL NO. 13-23-8-17

The Canvasback Final Area Permit (Effective August 18, 2000) authorized injection into the Garden Gulch and Douglas Creek Members of the Green River Formation. By Major Permit Modification No. 3 (Effective September 10, 2003) the EPA authorized the gross Green River Formation Garden Gulch-Douglas Creek-Basal Carbonate Members as the enhanced recovery injection interval for the Canvasback Area Permit. This Modification also recognized the **Federal No. 1-26** (NE NW Sec. 26 - T8S - R17E), UIC Permit No. UT20702-04671, as the **TYPE WELL** for identifying the tops of the Garden Gulch Member, the Douglas Creek Member, the Basal Carbonate Member, the top of the Wasatch Formation and the "Confining Zone" overlying the top of the Garden Gulch Member.

The authorized injection zone for the Canvasback Federal No. 13-23-8-17 will be from the Garden Gulch Member (4178 feet) to the top of the Wasatch Formation (Estimated to be 6543 feet).

Lithologically, the gross authorized enhanced recovery injection interval, Garden Gulch to the top of the Wasatch Formation, is fluvial and lacustrine shale, fluvial and lacustrine sandstone, lacustrine marlstone, and limestone. The Uinta and Green River Formations are predominantly non-lacustrine fluvial shale and sandstone on the basin margins, whereas lacustrine deposition predominates in the central basin area for these two formations. The Wasatch Formation is predominantly fluvial, except for increasing minor lacustrine deposition in the central basin area.

WELL CONSTRUCTION REVIEW: CANVASBACK FEDERAL NO. 13-23-8-17.

SURFACE CASING: 8-5/8 inch casing is set at 316 feet (KB) in a 12-1/4 inch hole, using 140 sacks of Class "G" cement circulated to the surface. The base of the USDW is less than eighty (80) feet from ground level.

LONGSTRING CASING: 5-1/2 inch casing is set at 6408 feet (KB) in a 7-7/8 inch hole, and cemented with 320 sacks of Premium Lite II mixed and 400 sacks of 50/50 Pozmix.

The operator identifies the top of cement at 290 feet.

The EPA analysis of the CBL/GR identifies 80% cement bond index across the Garden Gulch Member confining zone from 4122 feet to 4174 feet.

An EPA analysis of the Canvasback Federal No. 13-23-8-17 CBL/GR did identify 80% bond index cement bond across the Garden Gulch Member confining zone, pursuant to standards of Region 8 GROUND WATER SECTION GUIDANCE NO. 34: Cement Bond Logging Techniques and Interpretation. Therefore, it **has been determined that the cement in this well provides an effective barrier** to significant upward movement of fluids through vertical channels adjacent to the wellbore, pursuant to 40 CFR 146.8 (a) (2).

PART II. A. CONSTRUCTION REQUIREMENTS FOR ADDITIONAL WELLS

Tubing and Packer: (Condition 3)

For injection purposes, the **Canvasback Federal No. 13-23-8-17** shall be equipped with 2-7/8 tubing with a packer to be set at a depth no higher than 100 feet above the top perforation.

Formation Testing and Logging (Condition 6)

(a) Upon conversion of the **Canvasback Federal No. 13-23-8-17,** the permittee is required to determine the injection zone **fluid pore pressure** (static bottom hole pressure) prior to commencement of enhanced recovery injection operation. The results of this test shall be submitted to the EPA.

(b) A **Step-Rate Test (SRT)** shall be performed on the **Canvasback Federal No. 13-23-8-17** within three (3) to six (6) months after injection operations are initiated and the results submitted to the EPA. The permittee may contact the EPA prior to conducting the SRT to acquire the most current Guidance for conducting the SRT.

PART II. B.

Corrective Action

As of March 2005, there are two (2) active Green River oil wells within or proximate to the one-quarter (1/4) mile radius around the Canvasback Federal No. 13-23-8-17-8-17. No wells need Corrective Action.

Garden Gulch-Douglas Creek Members Oil Wells:

Greater Boundary No. 4-26-8-17: **NW NW Sec. 26 -T8S-R17E**

Top Garden Gulch Member:	4100 feet
Garden Gulch Confining Zone:	4055 feet to 4100 feet
Top 80% EPA Cement Bond:	4369 feet - 4400 feet
Top Douglas Creek Member:	5104 feet
Total Depth (Driller):	6332 feet in Douglas Creek Member

The 45-foot confining shale (4055 feet to 4100 feet) overlying the top of the Garden Gulch Member (4183 feet) is not protected by 80% bond index cement bond. This lack of confining zone annulus cement may not prevent upward movement of injected fluids through vertical channels adjacent to the well bore. The permittee will be required to inspect the surface of this location for fluid leaks on a weekly basis. **Any observation of surface leakage may be considered as noncompliance with the Canvasback Federal No. 13-23-8-17 Permit.** The Canvasback Federal No.13-23-8-17 shall suspend operations immediately, and will stay suspended until the noncompliance has been resolved, and renewed injection has been approved in writing by the Director.

Canvasback No. 16-22-8-17 : **SE SE Sec. 22-T8S-R17E**

Top Garden Gulch Member:	4198 feet
Garden Gulch Confining Zone:	4154 feet to 4198 feet
Top 80% EPA Cement Bond:	3844 feet - 4128 feet and 4228 feet - 4362 feet.
Top Douglas Creek Member:	5176 feet
Total Depth (Driller):	6379 feet in Douglas Creek Member.

The 44-foot confining shale (4154 feet to 4198 feet) overlying the top of the Garden Gulch Member (4198 feet) is not protected by 80% bond index cement bond. This lack of confining zone annulus cement may not prevent upward movement of injected fluids through vertical channels adjacent to the well bore. The permittee will be required to inspect the surface of this location for fluid leaks on a weekly basis. **Any observation of surface leakage may be considered as noncompliance with the Canvasback Federal No. 13-23-8-17 Permit.** The Canvasback Federal No. 13-23-8-17 shall suspend operations immediately, and will stay suspended until the noncompliance has been resolved, and renewed injection has been approved in writing by the Director.

PART II. C.

Prior to Commencing Injection (Additional Wells) (Condition 2)

Canvasback Federal No. 13-23-8-17: This document is being issued without authority to inject. Prior to beginning injection, the operator is required to submit the following information for EPA review and written approval:

- A successful **mechanical integrity test (MIT)** demonstrating Part I Internal MI (Enclosed);
- a **pore pressure calculation** of the proposed injection zone; and an
- EPA Form No. 7520-12 (**Well Rework Record**, enclosed).

Injection Interval (Condition 3)

Injection shall be limited to the **gross Garden Gulch, Douglas Creek and Basal Carbonate Members of the Green River Formation from** 4178 feet (KB) to the top of the Wasatch Formation, estimated to be 6543 feet (KB).

Injection Pressure Limitation (Condition 4)

Pursuant to Final Area Permit UT20855-00000, Part II. Section C. 5. (b), the maximum allowable injection pressure (MAIP) *"...shall be determined for each Area Permit well as:" "(1) Using sand fracture treatment data, the EPA will calculate the MIP for each treated (sand/frac) interval using the instantaneous shut-in pressure (ISIP) from that interval. The minimum MIP calculated shall be the initial maximum surface injection pressure for that well;"*. A fracture gradient (FG) of 0.720 psi/ft is the minimum value FG calculated from the six (6) ISIP sand/frac treatments. The 0.720 FG is acceptable for calculation of the **initial** Maximum Allowable Injection Pressure.

Until such time that a step-rate injectivity test (SRT) has been performed, reviewed, and approved by the EPA, the **initial** maximum allowable injection pressure **(MAIP)** for the **Canvasback Federal No. 13-23-8-17** shall not exceed **1365psig**.

MAIP = [FG - (0.433)(SG) D
FG = 0.720 psi/ft (Calculated from sd/frac ISIP)
SG = 1.005
D = 4786 feet. Top perforation.
MAIP = [0.740 - (0.433)(1.005) 5755
MAIP = 1363 psig, but rounded up to **1365 psig.**

Final Area Permit (UT20855-00000), has a provision whereby the operator may request an increase, or decrease, in the maximum surface injection pressure.

PART II. F.

Demonstration of Financial Responsibility: (Condition 1)

The current plugging and abandonment cost for the Canvasback Federal No. 13-23-8-17 is estimated to be $33,025.00. The applicant has chosen to demonstrate financial responsibility via a **Financial Statement** that has been reviewed and approved by the EPA.

PART III. E.

Reporting of Noncompliance: (Condition 10)

(a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted **no later than thirty (30) days following each schedule date.**

(c) Written Notice of any noncompliance which may endanger health or the environment **shall be reported to the Director within five (5) days** of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned tp prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: (Condition 11)

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning **1.800.227-8917** and asking for the **EPA Region VIII UIC Program Compliance and Enforcement Director**, or by contacting the **Region VIII Emergency Operations Center at 303.293.1788** if calling from outside EPA Region VIII. The following information shall be included in the verbal report:

(a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.

(b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: (Condition 12)

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1.800.424.8802 or 202.267.2675,** or through the **NRC website at http://www.nrc.uscg.mil/index.htm.**

Other Noncompliance: (Condition 13)

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III. 10. c. ii. of this Permit.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

APPENDIX C

PLUGGING AND ABANDONMENT: The Plugging and Abandonment (P&A) Plan (Application Attachment Q-2) submitted by the applicant has been reviewed and modified by the EPA. The EPA has added Plug No. 4. The P&A Plan is now consistent with EPA requirements to protect all USDWs. The permittee will place 9.2 ppg plugging gel or bentonite mud between all cement plugs.

PLUG NO. 1: Set a cast iron bridge plug (CIBP) at 4690 feet. Place 100 feet of Class "G" cement on top of CIBP.

PLUG NO. 2: Set a cement plug inside of the 5-1/2 inch casing from 2000 feet to 2200 feet over a water zone.

PLUG NO. 3: Set a cement plug inside of the 5-1/2 inch casing from surface to a depth of 366 feet.

PLUG NO. 4: Set a cement plug in the annulus between the 5-1/2 inch casing and the 8-5/8 inch casing from the surface to a depth of 366 feet.

This authorization for well conversion of the Canvasback Federal No.13-23-8-17 to a Class II enhanced recovery injection well becomes effective upon signature.

Date: MAR 2 2 2005

Carol L. Campbell for

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

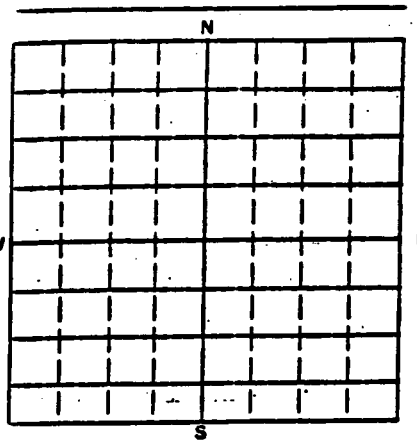
Form Approved. OMB No. 2040-0042. Expires 6-30-98

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

E.P.A. WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE	NAME AND ADDRESS OF CONTRACTOR

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES



STATE	COUNTY	PERMIT NUMBER

SURFACE LOCATION DESCRIPTION
___ 1/4 of ___ 1/4 of ___ 1/4 of ___ 1/4 of Section___ Township___ Range___

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location ____ ft. from (N/S) ____ Line of quarter section

and ____ ft. from (E/W) ____ Line of quarter section

WELL ACTIVITY		TYPE OF PERMIT
☐ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	Total Depth Before Rework	☐ Individual ☐ Area Number of Wells ____
	Total Depth After Rework	
Lease Name	Date Rework Commenced	Well Number
	Date Rework Completed	

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD — AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE *(Please type or print)*	SIGNATURE	DATE SIGNED

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39
Pressure testing injection wells for Part I (internal) Mechanical Integrity

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

(1) There is no significant leak in the tubing, casing or packer; and

(2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the downhole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. **If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.**

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

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would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

Pressure Test Description

Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. **If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate.** Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;

2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);

3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;

4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

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depending on well specific conditions (See Region VIII UIC Section Guidance #36);

5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and

6. Class III uranium extraction wells; initially.

Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.

Test Criteria

1. The duration of the pressure test is 30 minutes.

2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.

3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.

4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

Printed on Recycled Paper

chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.

2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.

3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.

4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.

5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the

Printed on Recycled Paper

well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.

8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.

9. Hook-up well to pressure source and apply pressure until test value is reached.

10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.

11. Record tubing and annulus pressure values every five (5) minutes.

12. At the end of the test, record the final tubing pressure.

13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.

14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

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15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.

16. Return to office and prepare follow-up.

Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these exceptional or extraordinary conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

Printed on Recycled Paper

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: ____/____/____

Test conducted by: _____

Others present: _____

Well Name: _____ Type: ER SWD Status: AC TA UC

Field: _____

Location: _____ Sec: ____ T ____ N / S R ____ E / W County: _____ State: ____

Operator: _____

Last MIT: ____/____/____ Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [ ] No

Initial test for permit? [ ] Yes [ ] No

Test after well rework? [ ] Yes [ ] No

Well injecting during test? [ ] Yes [ ] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	psig	psig	psig
End of test pressure	psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	psig	psig	psig
5 minutes	psig	psig	psig
10 minutes	psig	psig	psig
15 minutes	psig	psig	psig
20 minutes	psig	psig	psig
25 minutes	psig	psig	psig
30 minutes	psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

UT 20855-06520

Canvasback Federal #13-23-8-17

Spud Date: 4-9-03
Put on Production: 5-6-03
GL: 5147' KB: 5159'

Proposed Injection
Wellbore Diagram

Initial Production: 106BOPD,
74 MCFD, 6 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24# Base USDW's < 80'
LENGTH: 7 jts. (306')
DEPTH LANDED: 316' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Class "G" cmt mixed, est 1 bbls cmt to surf.

Cement Top @ 290'

316'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts. (6410')
DEPTH LANDED: 6408' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ mixed.
CEMENT TOP AT: 290'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 190 jts (6161.60')
TUBING ANCHOR: 6173.60' KB
NO. OF JOINTS: 1 jts (32.48')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6208.88' KB
NO. OF JOINTS: 2 jts (64.80')
TOTAL STRING LENGTH: EOT @ 6275.23' w/12'KB

4127' 80% Cement Bond
4174'

Confining Zone 4132'-4178'
4178' Garden Gulch Mem

Douglas Cr. Mem - 5203'

Packer @ 4751'
4786'-4814'
5129'-5138'
5141'-5145'
5225'-5234'
5302'-5308'
5447'-5458'
5716'-5726'
5804'-5809'
5924'-5932'
6025'-6028'
6046'-6057'
6062'-6071'
6123'-6127'
6253'-6258'
6298'-6304'
6348'-6352'
6358'-6366'
PBTD @ 6390'
SHOE/TD @ 6408'

- Est. Basal Carbonate Mem 6418'
- Est. Wasatch Fm. 6543'

FRAC JOB

4-30-03	6253'-6366'	**Frac CP 4,5 sand as follows:** 50,714# 20/40 sand in 475 bbls Viking I-25 fluid Treated @ avg press of 2044 psi w/avg rate of 28 BPM. ISIP 2180 psi. Calc flush: 6250 gal. Actual flush: 6174 gal.
4-30-03	5924'-6127'	**Frac CP/LOLODC sand as follows:** 120,483# 20/40 sand in 882 bbls Viking I-25 fluid. Treated @ avg press of 1650 psi w/avg rate of 28.7. ISIP 1890 psi. Calc flush:5922 gal. Actual flush: 5844 gal.
4-30-03	5716'-5809'	**Frac UPLODC and BS sands as follows:** 47,868# 20/40 sand in 463 bbls Viking I-25 fluid. Treated @ avg press of 1676 psi w/avg rate of 27.7 BPM. ISIP 1680 psi. Calc flush: 5714 gal. Actual flush: 5639 gal.
5-01-03	5447'-5458'	**Frac B.5 sands as follows:** 34,936# 20/40 sand in 367 bbls Viking I-25 fluid. Treated @ avg 1700 psi w/avg rate of 27.4 BPM. ISIP 1580 psi. . Calc flush:5445 gal. Actual flush: 5375 gal.
5-01-03	5129'-5308'	**Frac D sands as follows:** 56,300# 20/40 sand in 489 bbls Viking I-25 fluid. Treated @ avg 1578 psi w/avg rate of 27.2 BPM. ISIP 1495 psi. . Calc flush: 5127 gal. Actual flush: 5043 gal.
5-01-03	4786'-4814'	**Frac PB7 sands as follows:** 50,523,# 20/40 sand in 478 bbls Viking I-25 fluid. Treated @ avg 1876 psi w/avg rate of 27.8 BPM. ISIP 1720 psi. . Calc flush: 4784 gal. Actual flush: 4691 gal.

PERFORATION RECORD

4-29-03	6358'-6366'	4 JSPF	32 holes
4-29-03	6348'-6352'	4 JSPF	16 holes
4-29-03	6298'-6304'	4 JSPF	24 holes
4-29-03	6253'-6258'	4 JSPF	20 holes
4-30-03	6123'-6127'	4 JSPF	16 holes
4-30-03	6062'-6071'	4 JSPF	36 holes
4-30-03	6046'-6057'	4 JSPF	44 holes
4-30-03	6025'-6028'	4 JSPF	12 holes
4-30-03	5924'-5932'	4 JSPF	32 holes
4-30-03	5804'-5809'	4 JSPF	20 holes
4-30-03	5716'-5726'	4 JSPF	40 holes
5-01-03	5447'-5458'	4 JSPF	44 holes
5-01-03	5302'-5308'	4 JSPF	24 holes
5-01-03	5225'-5234'	4 JSPF	36 holes
5-01-03	5141'-5145'	4 JSPF	16 holes
5-01-03	5129'-5138'	4 JSPF	36 holes
5-01-03	4786'-4814'	4 JSPF	112 holes

Inland Resources Inc.

Federal 13-23-8-17

306' FSL & 642' FWL

SWSW Section 23-T8S-R17E

Duchesne Co, Utah

API #43-013-32340; Lease #UTU-76239

MC 7/22/04

020

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU77233

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: CANVASBACK UNIT

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: CANVASBACK 15-22-8-17

2. NAME OF OPERATOR: Newfield Production Company

9. API NUMBER: 4301332240

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2056 FEL 910 FSL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SW/SE, 22, T8S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

[ ] NOTICE OF INTENT (Submit in Duplicate)
Approximate date work will

[X] SUBSEQUENT REPORT (Submit Original Form Only)
Date of Work Completion: 05/05/2005

TYPE OF ACTION

[ ] ACIDIZE	[ ] DEEPEN	[ ] NEW CONSTRUCTION	[ ] REPERFORATE CURRENT FORMATION
[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] PLUG AND ABANDON	[ ] SIDETRACK TO REPAIR WELL
[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] PLUG BACK	[ ] TEMPORARITLY ABANDON
[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] PRODUCTION (START/STOP)	[ ] TUBING REPAIR
[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] RECLAMATION OF WELL SITE	[ ] VENT OR FLAIR
[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] RECOMPLETE - DIFFERENT FORMATION	[ ] WATER DISPOSAL
[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)		[ ] WATER SHUT-OFF
[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE		[ ] OTHER: -
[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was converted from a producing to an injection well on 4/[illegible]/05. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly 5706'.
On 4/20/05 Mr. Dan Jackson w/EPA was notified of the intent to conduct [illegible] on the casing. On 4/22/05 the casing was pressured to 1680 psi w/no pressure loss charted in the 1/2 hour test. No governmental [illegible]encies were able to witness the test.

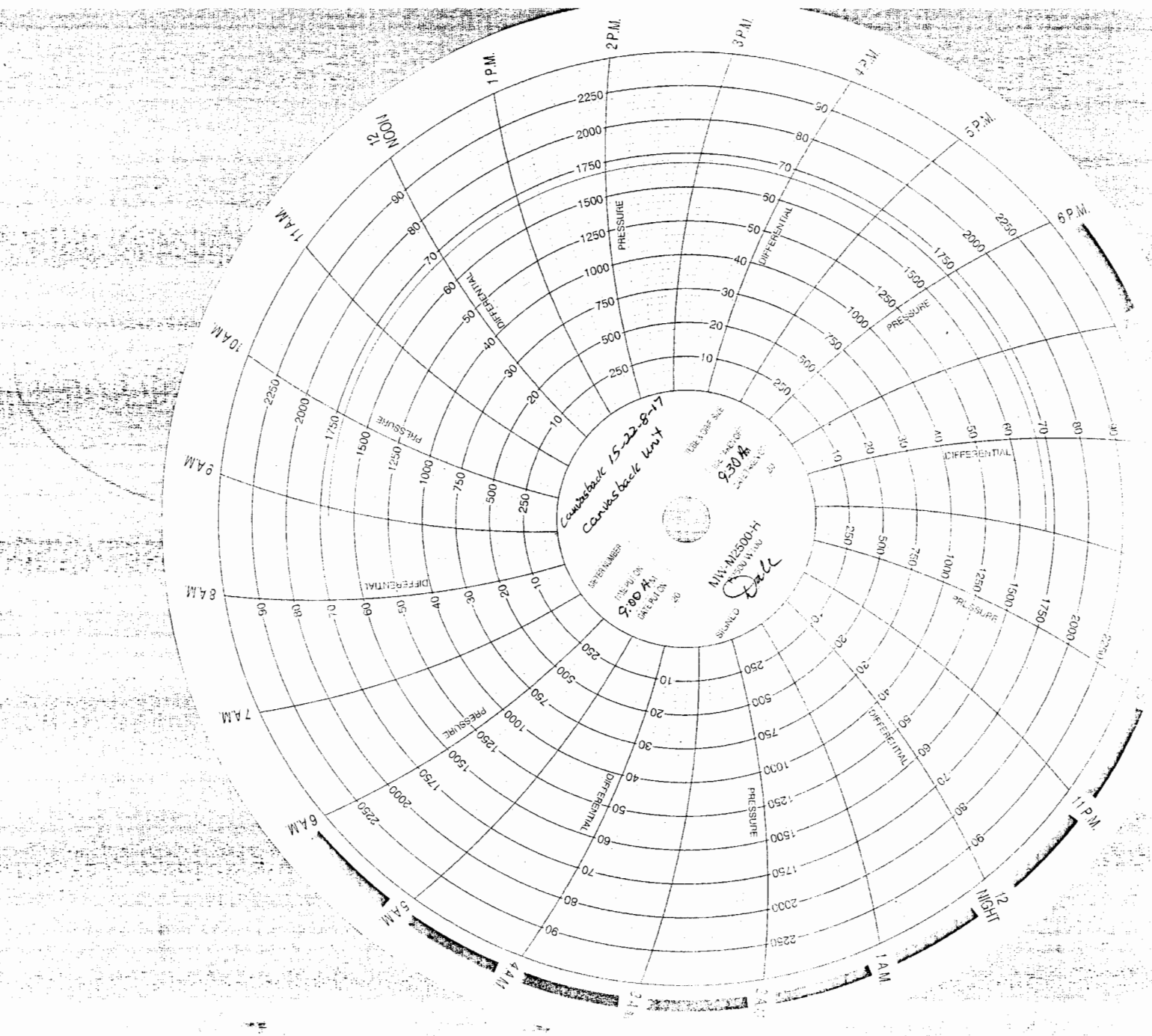
Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Krisha Russell
TITLE Production Clerk

SIGNATURE Krisha Russell
DATE 05/05/2005

(This space for State use only)

RECEIVED
MAY 09 2005
DIV. OF OIL, GAS & MINING


12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
11 P.M.
12 NIGHT
1 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
PRESSURE
DIFFERENTIAL
Canvasback 15-22-8-17
Canvasback Unit
9:30 A.M.
9:00 A.M.
NW-M2500-H
Dahl

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 4 / 22 / 2005
Test conducted by: Dale Giles
Others present: _____

Well Name: Canvasback 15-22-8-17 Type: ER SWD Status: AC TA UC
Field: Canvasback unit
Location: _____ Sec: 22 T 8 N (S) R 17 (E) W County: Duchesne State: UT
Operator: _____
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [ ] No
Initial test for permit? [X] Yes [ ] No
Test after well rework? [ ] Yes [ ] No
Well injecting during test? [ ] Yes [ ] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	300 psig	psig	psig
End of test pressure	300 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1680 psig	psig	psig
5 minutes	1680 psig	psig	psig
10 minutes	1680 psig	psig	psig
15 minutes	1680 psig	psig	psig
20 minutes	1680 psig	psig	psig
25 minutes	1680 psig	psig	psig
30 minutes	1680 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

_____

Signature of Witness: _____

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS

021 **Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTU77233

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
CANVASBACK UNIT

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection well

8. Well Name and No.
CANVASBACK 15-22-8-17

2. Name of Operator
Newfield Production Company

9. API Well No.
4301332240

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2056 FEL 910 FSL
SW/SE Section 22 T8S R17E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change Status, Put Well on Injection
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☒ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above referenced well was put on injection at 2:00 p.m. on 6/24/05.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature Mandie Crozier

Date
06/27/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
JUN 29 2005
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU77233

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: CANVASBACK UNIT

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Injection well

8. WELL NAME and NUMBER: CANVASBACK 15-22-8-17

2. NAME OF OPERATOR: Newfield Production Company

9. API NUMBER: 4301332240

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2056 FEL 910 FSL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/SE, 22, T8S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION SubDate		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
11/14/2005	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Step Rate Test
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on November 10, 2005. Results from the test indicate that the fracture gradient is .741 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1760 psi.

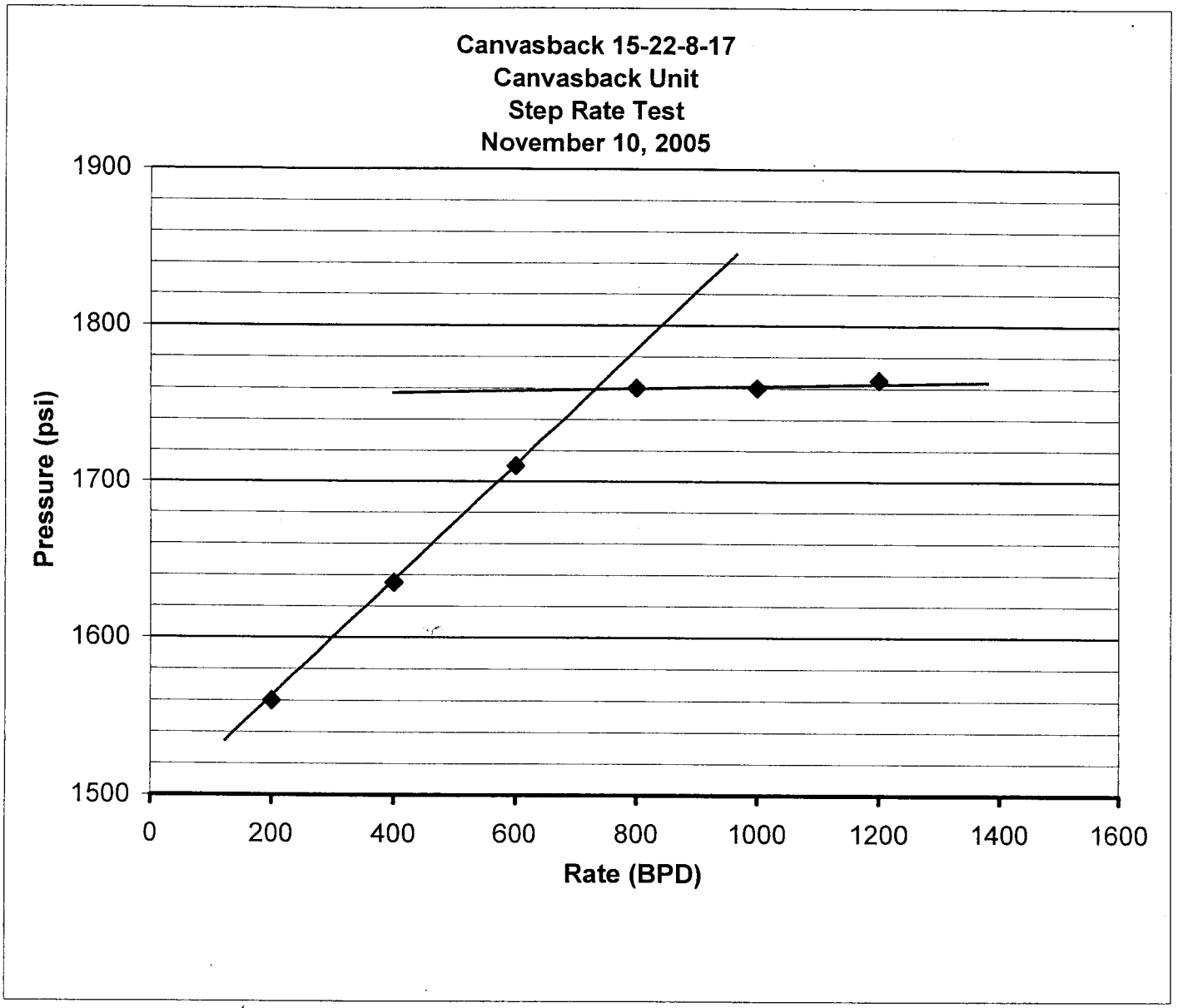
Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Cheyenne Batemen TITLE Well Analyst Foreman

SIGNATURE [signature] DATE 11/14/2005

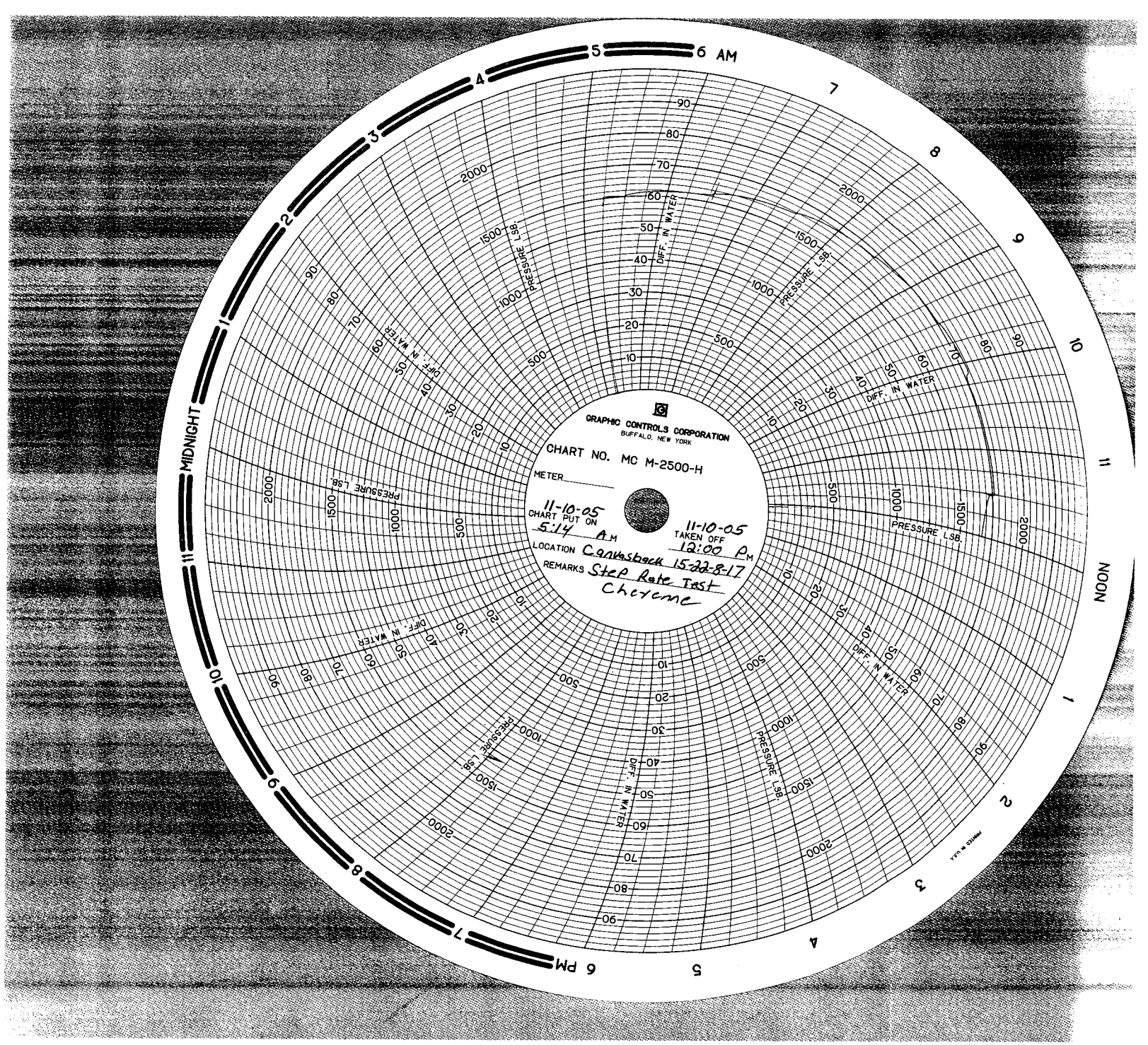
(This space for State use only)

NOV 16 2005



Start Pressure:	1505	psi
Instantaneous Shut In Pressure (ISIP):	1765	psi
Top Perforation:	5755	feet
Fracture pressure (Pfp):	1760	psi
FG:	0.741	psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	1560
2	400	1635
3	600	1710
4	800	1760
5	1000	1760
6	1200	1765


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC M-2500-H
METER
11-10-05
CHART PUT ON
5:14 AM
11-10-05
TAKEN OFF
12:00 PM
LOCATION Canvastock 15-22-8-17
REMARKS Step Rate Test
Cheyenne
MIDNIGHT
6 AM
NOON
6 PM
DIFF. IN WATER
PRESSURE LBS.

Step Rate Test (SRT) Analysis

Date: 11/14/2005

Operator: **Newfield Production Company**

Well: **Canvasback 15-22-8-17**

Permit #: **UT20855-06415**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.005**	*g/cc*
Depth to top perforation (D) =	**5755**	*feet*
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1760**	*psi*
Instantaneous Shut In Pressure (ISIP) from SRT =	**1765**	*psi*
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.741** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) =

D = depth used = 5755 *Pbhp used = 4264*

Calculated Bottom Hole Parting Pressure (Pbhp) = **4264** *psi*

*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

(Uses lesser of ISIP or Pfp) Value used = 1760

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

Maximum Allowable Injection Pressure (MAIP) = **1760** *psig*

D = depth used = 5755 *MAIP = [fg - (0.433 * SG)] * D = 1760.080* *(rounded to nearest 5 psig)*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 200
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

DEC - 2 2005

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
Vice President - Operations
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84502

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

43-013-32240

RE: UNDERGROUND INJECTION CONTROL (UIC)
Minor Permit Modification
Increase Injection Pressure: No. 1
EPA Permit No. UT20855-06415
Canvasback No. 15-22-8-17
SW SE Sec. 22 - T8S - R17E
Duchesne County, Utah

Dear Mr. Guinn:

The Region VIII Ground Water Program offices of the Environmental Protection Agency (EPA) received from Newfield Production Company (Newfield) the results and analysis of a November 10, 2005 Step-Rate Test (SRT) run on the Canvasback No. 15-22-8-17 enhanced recovery injection well, EPA Permit No. UT20855-06415. Included with the results was a request to increase the maximum allowable injection pressure (MAIP) from 1755 psig to **1760 psig**.

EPA has reviewed the Permit File, and the submitted SRT information show that the formation parting pressure of the injection zone was reached under the conditions recorded during the test. Based upon this test and the EPA analysis, the Director has determined that a pressure of **1760 psig**, measured at the surface, is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone overlying the injection zones, and underground sources of drinking water (USDW) will continue to be protected.

DEC 07 2005

Printed on Recycled Paper

Therefore, pursuant to 40 CFR §144.41 (e), the EPA hereby modifies EPA Permit No. 20855-06415 and **authorizes a MAIP of 1760 psig** for the Canvasback No. 15-22-8-17 enhanced recovery injection well.

Should Newfield in the future choose to request a modification to the approved MAIP, new supporting data such as a new SRT will be required as part of your request. In order to inject at pressures greater than the permitted MAIP during any future test(s), the permittee must receive prior authorization from the Director.

If you have any questions in regard to the above action, please contact Dan Jackson of my staff by calling 303-312-6155, or 1-800-227-8917 (Ext. 6155).

Please send all compliance correspondence relative to this well to the **ATTENTION: NATHAN WISER**, at the letterhead address citing **MAIL CODE: 8ENF-UFO** very prominently. You may call Mr. Wiser at 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Maxine Natchees
Acting Chairperson
Uintah & Ouray Business Committee
Ute Indian Tribe

Elaine Willie
Environmental Coordinator
Ute Indian Tribe

Chester Mills
Superintendent
Bureau of Indian Affairs
Uintah & Ouray Indian Agency

David Gerbig
Operations Engineer
Newfield Production Company
Denver, Colorado

Gil Hunt
Technical Services Manager
State of Utah - Natural Resources

Matt Baker
Petroleum Engineer
Bureau of Land Management
Vernal District

Nathan Wiser
8ENF-UFO

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-77233
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
8. WELL NAME and NUMBER: CANVASBACK 15-22-8-17
9. API NUMBER: 4301332240
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 910 FSL 2056 FEL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSE, 22, T8S, R17E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
04/14/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Five Year MIT
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 04-06-2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 04-12-2010. On 04-14-2010 the casing was pressured up to 1340 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1697 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT 20855-06415 API# 43-013-32240

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE [signature] DATE 04/16/2010

(This space for State use only)

RECEIVED
APR 20 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 04/14/10
Test conducted by: Dale Giles
Others present: _____

Well Name: Canvasback 15-22-8-17 Type: ER SWD Status: AC TA UC
Field: _____
Location: _____ Sec: 22 T 8 N (S) R 17 (E) W County: Duchesne State: UT
Operator: Newfield Production Co.
Last MIT: / / Maximum Allowable Pressure: 1760 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 15 bpd

Pre-test casing/tubing annulus pressure: 0 psig

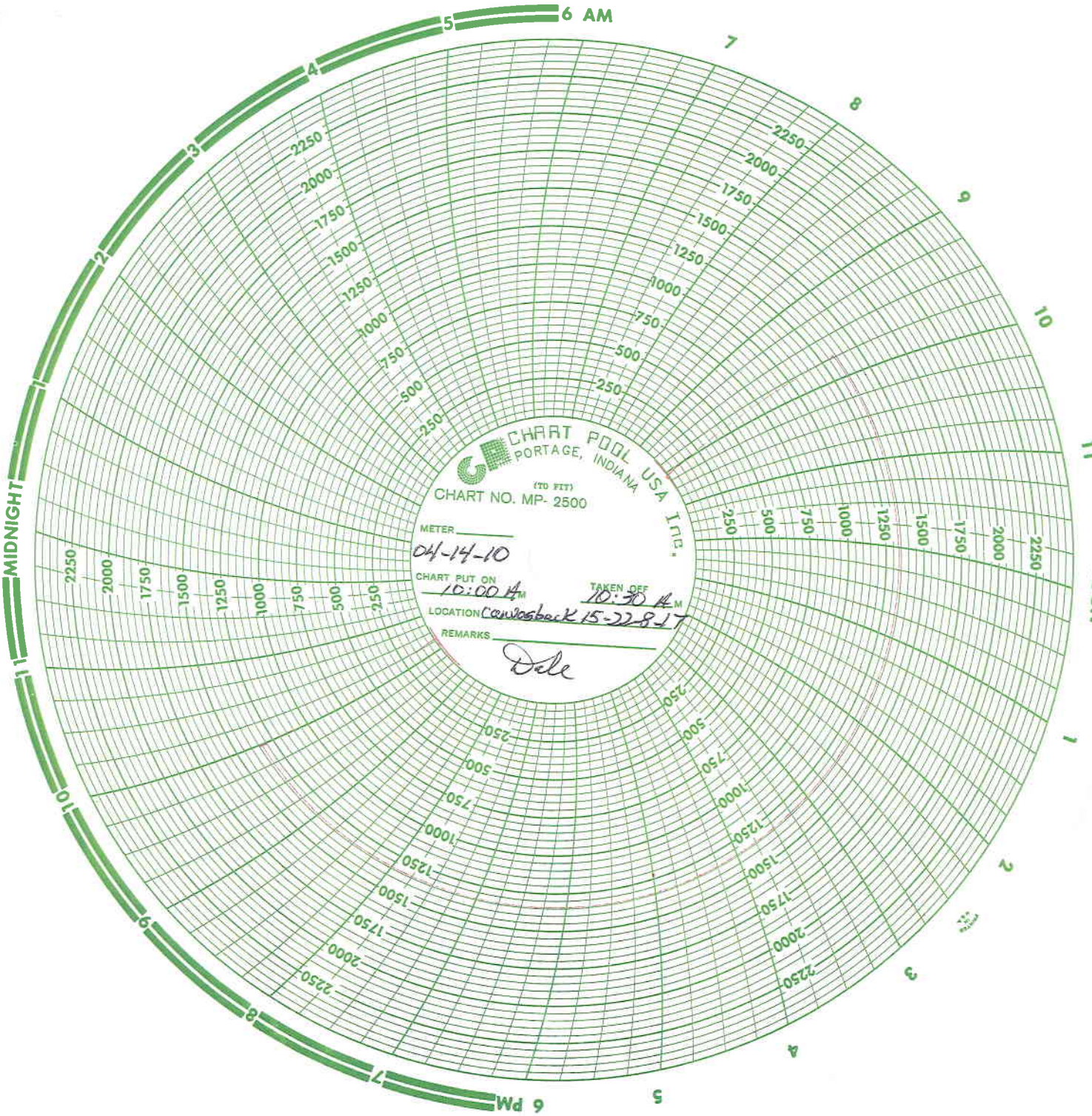
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1697 psig	psig	psig
End of test pressure	1697 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1340 psig	psig	psig
5 minutes	1340 psig	psig	psig
10 minutes	1340 psig	psig	psig
15 minutes	1340 psig	psig	psig
20 minutes	1340 psig	psig	psig
25 minutes	1340 psig	psig	psig
30 minutes	1340 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:


6 AM
NOON
6 PM
MIDNIGHT
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER
04-14-10
CHART PUT ON 10:00 AM
TAKEN OFF 10:30 AM
LOCATION Cowboy Back 15-22-8-17
REMARKS
Dale

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-77233

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: CANVASBACK 15-22-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013322400000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0910 FSL 2056 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 22 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 3/17/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

5 YR MIT performed on the above listed well. On 03/17/2015 the casing was pressured up to 1087 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1343 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-06415

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 24, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 3/23/2015

RECEIVED: Mar. 23, 2015

Sundry Number: 61722 API Well Number: 43013324000000

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 3/17/15

Test conducted by: Dale Giles

Others present: _____

-06415

Well Name: Canvasback 15-22-8-17 Type: ER SWD Status: AC TA UC

Field: Monument Butte

Location: SW/SE Sec: 22 T 8 N/S R 17 E/W County: Duchesne State: UT.

Operator: Newfield production Co

Last MIT: / / Maximum Allowable Pressure: 1950 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No

Initial test for permit? [ ] Yes [X] No

Test after well rework? [ ] Yes [X] No

Well injecting during test? [X] Yes [ ] No If Yes, rate: 13 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1343 psig	psig	psig
End of test pressure	1343 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1083 psig	psig	psig
5 minutes	1085 psig	psig	psig
10 minutes	1086 psig	psig	psig
15 minutes	1087 psig	psig	psig
20 minutes	1087 psig	psig	psig
25 minutes	1087 psig	psig	psig
30 minutes	1087 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

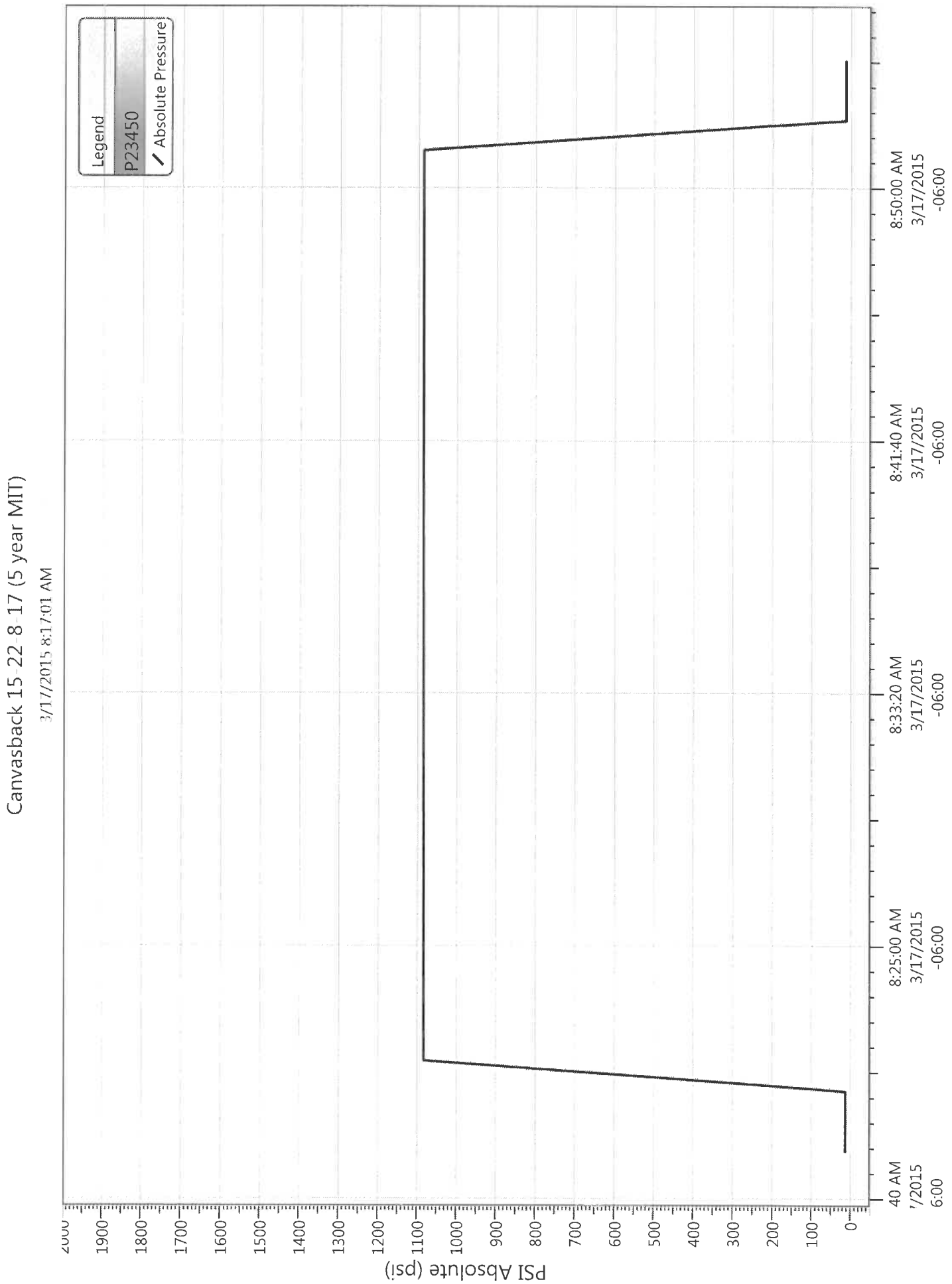
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

_____

Signature of Witness: _____


Canvasback 15-22-8-17 (5 year MIT)
3/17/2015 8:17:01 AM
Legend
P23450
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
40 AM
/2015
6:00
8:25:00 AM
3/17/2015
-06:00
8:33:20 AM
3/17/2015
-06:00
8:41:40 AM
3/17/2015
-06:00
8:50:00 AM
3/17/2015
-06:00

NEWFIELD

Schematic

43-013-32240

Well Name: Canvasback 15-22-8-17

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
22-8S-17E	43013322400000	500151545		Utah	GMBU CTB7	Duchesne

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
2/21/2003	3/24/2003	4/24/2003	5,180	5,168		Original Hole - 6,318.0

Most Recent Job

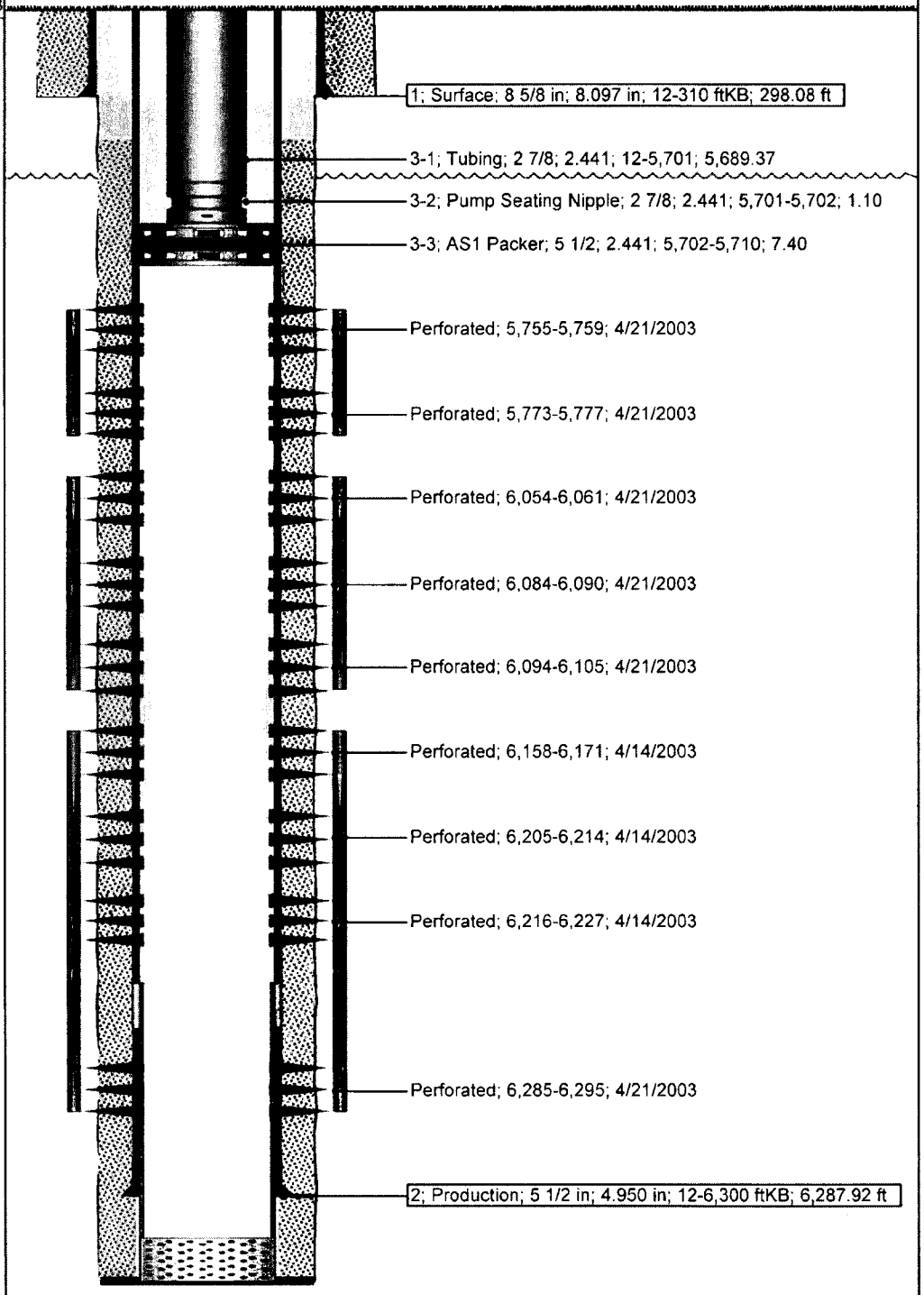
Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Testing		N/A	3/17/2015	3/17/2015

TD: 6,318.0 — Vertical - Original Hole, 3/3/2016 3:06:58 PM

MD (ftKB)	TVD (ftKB)	Incl (°)
12.1	12.1	0.0
309.1	309.1	0.3
310.0	310.0	0.3
399.9	399.9	0.5
5,701.4	5,690.5	1.2
5,702.4	5,691.5	1.2
5,710.0	5,699.0	1.3
5,754.9	5,743.9	1.5
5,758.9	5,747.9	1.5
5,773.0	5,762.0	1.5
5,776.9	5,765.9	1.6
6,054.1	6,043.0	1.2
6,061.0	6,049.9	1.2
6,084.0	6,072.9	1.0
6,089.9	6,078.8	0.9
6,094.2	6,083.1	0.9
6,105.0	6,093.9	0.8
6,158.1	6,147.0	0.6
6,170.9	6,159.8	0.5
6,205.1	6,193.9	0.4
6,213.9	6,202.8	0.5
6,215.9	6,204.8	0.5
6,227.0	6,215.9	0.5
6,281.8	6,270.7	0.7
6,282.2	6,271.0	0.7
6,285.1	6,274.0	0.7
6,294.9	6,283.8	0.7
6,299.2	6,288.1	0.8
6,299.9	6,288.8	0.8
6,315.0	6,303.8	0.8
6,317.9	6,306.8	0.8

DLS (°...
0 — 3

Vertical schematic (actual)



NEWFIELD

Newfield Wellbore Diagram Data
Canvasback 15-22-8-17

Surface Legal Location		API/UWI	Lease
22-8S-17E		43013322400000	
County	**State/Province**	**Basin**	**Field Name**
Duchesne	Utah		GMBU CTB7
Well Start Date	**Spud Date**	**Final Rig Release Date**	**On Production Date**
2/21/2003	2/21/2003	3/24/2003	4/24/2003
Original KB Elevation (ft) / **Ground Elevation (ft)**	**Total Depth (ftKB)**	**Total Depth All (TVD) (ftKB)**	**PBTD (All) (ftKB)**
5,180 / 5,168	6,318.0		Original Hole - 6,318.0

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	2/21/2003	8 5/8	8.097	24.00	J-55	310
Production	3/24/2003	5 1/2	4.950	15.50	J-55	6,300

Cement

String: Surface, 310ftKB 3/6/2003

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	12.0	310.1		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
w/ 2% CaCL2 + 1/4#/sk Cello-Flake	Lead	250	G	12.0

String: Production, 6,300ftKB 3/24/2003

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	400.0	6,318.0		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake	Lead	310	PL II	400.0
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM	Tail	400	50/50 Poz	3,000.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	4/14/2005	5,709.9

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	177	2 7/8	2.441	6.50	J-55	5,689.37	12.0	5,701.4
Pump Seating Nipple		2 7/8	2.441			1.10	5,701.4	5,702.5
AS1 Packer		5 1/2	2.441			7.40	5,702.5	5,709.9

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	6,315	6,318	6/7/2004	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	LODC, Original Hole	5,755	5,759	4			4/21/2003
3	LODC, Original Hole	5,773	5,777	4			4/21/2003
2	CP .5, Original Hole	6,054	6,061	4			4/21/2003
2	CP1, Original Hole	6,084	6,090	4			4/21/2003
2	CP1, Original Hole	6,094	6,105	4			4/21/2003
1	CP2, Original Hole	6,158	6,171	4			4/14/2003
1	CP3, Original Hole	6,205	6,214	4			4/14/2003
1	CP3, Original Hole	6,216	6,227	4			4/14/2003
1	CP4, Original Hole	6,285	6,295	4			4/21/2003

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,020	0.75	27.0	2,100			
2	1,850	0.75	26.0	2,900			
3	1,790	0.74	26.0	3,150			
4							
5							
6							

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 98671 lb
2		Proppant White Sand 78834 lb
3		Proppant White Sand 19757 lb
4		

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
5		
6		